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## ABSTRACT

This document contains detailed statistical data on science and engineering degrees between 1966 and 1998. The data is based on two surveys. Bachelor's and Master's degree data were collected by the National Center for Education Statistics (NCES), and data on doctorates were collected by the Survey of Earned Doctorates, which is sponsored by the National Science Foundation (NSF). The data include the earned degrees in the United States, comprising 50 States, the District of Columbia, and the U.S. Territories and Outlying Areas. The report includes three sections: (1) Technical Notes; (2) Detailed Statistical Tables; and (3) Classification of Programs. (YDS)

# Science and Engineering Degrees

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1966-98

## Detailed Statistical Tables

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May 2001

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# Science and Engineering Degrees

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1966–98

Detailed Statistical Tables

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Division of Science Resources Studies  
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National Science Foundation



May 2001

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# GENERAL NOTES

This publication is based on data obtained from two surveys. The bachelor's and master's degree data were obtained from universe institution surveys of the National Center for Education Statistics (NCES), U.S. Department of Education. Data on doctorates are from the Survey of Earned Doctorates, a universe survey of individual doctorate recipients; it is sponsored by the National Science Foundation (NSF) and four other Federal agencies.

These data cover earned degrees conferred in the aggregate United States, which comprises the 50 States, the District of Columbia, and the U.S. Territories and Outlying Areas (American Samoa, the former Canal Zone, the Northern Mariana Islands, Puerto Rico, Guam, the Virgin Islands, and the Trust Territory of the Pacific Islands). Degree data are compiled for a 12-month period, July through June of the following year. For convenience, degrees in a given July-through-June period are referred to by the year in which the period ended; e.g., 1998 means the 12-month period ending June 1998.

It is difficult to establish a completely consistent series of degree data over a long period of time because of changes in definitions, instructions, and field classifications, including the introduction of new specialties. The data for earlier years are presented as consistently as

possible with the classifications used in the current *Classification of Instructional Programs* (Washington, DC, Superintendent of Documents, U.S. Government Printing Office). See the Technical Notes for further information on the field classifications used.

The publication focuses on degrees in science and engineering fields, and, where appropriate, the data are reclassified according to NSF field categories. It should be noted that data on engineering technology degrees and degrees in the health/medical sciences are not included in the science and engineering totals here. The time series for this report begins in 1966.

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SECTION A.  
TECHNICAL NOTES

## INTRODUCTION

This report is based on final data from two Federal surveys. The first is the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) Completions Survey conducted annually by the National Center for Education Statistics (NCES). The second is the Survey of Earned Doctorates, conducted annually for the National Science Foundation (NSF) and four other Federal agencies. In addition, population data on various age groups for tables 56–58 were obtained from Current Population Surveys conducted by the Census Bureau. Each source is described in more detail in the following sections.

Data from the Completions Survey were used to report the number of bachelor's and master's degrees. The data on doctoral degrees in this report were derived from the Survey of Earned Doctorates, which surveyed all individuals earning research doctorates, rather than from the Completions Survey, which surveyed the institutions awarding the doctorates. The Survey of Earned Doctorate data were preferred because the data provided by individuals are more specific with respect to the field of specialization and are less prone to errors in data reporting and data entry than are the data provided in aggregates by institutions. Furthermore, doctorate data provide 100 percent coverage for data by field and sex of individual recipients, whereas institutional data are subject to imputation for nonresponse. For a comparison of reporting on doctoral degrees in the Completions Survey and the Survey of Earned Doctorates, see National Science Foundation, *Science and Engineering Doctorates: 1960–91*, NSF 93-301, Detailed Statistical Tables (Washington, DC, 1993).

## BACHELOR'S AND MASTER'S DEGREE DATA

In the Completions Survey, data are collected on all degrees conferred between July 1 and June 30 from the universe of accredited institutions of higher education in the 50 States, the District of Columbia, and the U.S. Territories and Outlying Areas. The survey forms are filled out by institution administrative personnel. The data are collected according to sex of recipient and field of study. In 1997, the final universe of institutions granting bachelor's or higher level degrees was 2,342. Each year between 1966 and 1997, institutional responses to these surveys exceeded 85 percent. Imputations for non-response were based on the previous year's response for an institution, if available. For bachelor's degree data, 0.7 percent were imputed and for master's degree data, 1.7 percent were imputed.

Because the data in this report include those for institutions in the U.S. territories, they may differ from numbers published by NCES that relate only to the 50 States and the District of Columbia and their field groupings. Data on degrees by field of study were collected according to the *Classification of Instructional Programs*, developed by NCES. Four field classification systems were used during the 1966–1997 period. (See “Current Classification Schemes.”)

## DOCTORAL DEGREE DATA

In the Survey of Earned Doctorates, information is collected during the period of July 1 of one year to June 30 of the next from all persons who have fulfilled the requirements for a *research* doctorate. The survey is funded jointly by NSF and four other agencies: the U.S. Department of Education, the National Institutes of Health, the National Endowment for the Humanities, and the U.S. Department of Agriculture. The survey forms were sent to all accredited doctorate-granting institutions for distribution by the graduate deans to all research doctorate recipients as they complete degree requirements. Information collected in the survey comprises demographic data, such as the student's sex, citizenship, and racial/ethnic group; education history, including field of degrees; sources of graduate student support; employment status during the year preceding receipt of the doctorate; postgraduation plans; and background on parents' education. Approximately 92 to 95 percent of the doctorate recipients complete and return the survey forms. For nonrespondents, commencement programs constituted a source of skeletal information that was added to the file. These variables were sex, field of study, institution, year of doctorate, and educational background. Consequently, for the variables used in this report, there is complete coverage. Data are updated annually from completed survey forms submitted belatedly by previous nonrespondents; therefore, data on doctorates are subject to revision and may differ very slightly from reports published earlier.

## POPULATION DATA

Published reports of the Bureau of the Census, U.S. Department of Commerce, provided estimates of population in the various age classifications, based on sample household surveys. All documents used were from *Current Population Reports* estimates for the total population as of July 1 of each year. Data for years 1970–1979 were obtained from *Current Population Surveys*, “Preliminary Estimates of the Population of the United

States, by Age, Sex, and Race: 1970 to 1981," No. 917, 1982. Data for 1980–89 were obtained from "United States Population Estimates by Age, Sex, Race, and Hispanic Origin: 1980 to 1991," Series P-25, No. 1095. Data for 1990–1997 are from "United States Population Estimates by Age, Sex, Race, and Hispanic Origin: 1990 to 1998," No. PPL-91.

## FIELD CLASSIFICATION SCHEMES

It is difficult to establish a completely consistent series of degree data over a long period of time, given changes in field classifications and evolving fields of study. Data

for the earlier years are presented as consistently as possible with the current classification schemes of fields of study, which show the Completions and the Survey of Earned Doctorates field codes used in this report (beginning in section C—page 73).

Note that the data in this report are grouped into the science and engineering categories used by NSF. It should be noted that data on engineering technology degrees and degrees in health/medical fields are not included in the science and engineering totals here. Therefore, data in this report may differ from those in reports published by the U.S. Department of Education.

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**Table 1. Degrees awarded in all fields and in science and engineering,  
by degree level: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Science & engineer- ing degrees	Percent science & engineer- ing	Total	Science & engineer- ing degrees	Percent science & engineer- ing	Total	Science & engineer- ing degrees	Percent science & engineer- ing
1966 .....	524,008	184,313	35.2	140,772	41,049	29.2	17,949	11,570	64.5
1967 .....	562,369	199,832	35.5	157,892	44,988	28.5	20,403	13,109	64.3
1968 .....	636,863	226,597	35.6	177,150	48,760	27.5	22,937	14,645	63.8
1969 .....	734,003	262,189	35.7	194,414	52,382	26.9	25,743	16,288	63.3
1970 .....	798,070	284,230	35.6	209,387	53,695	25.6	29,498	18,052	61.2
1971 .....	846,110	294,357	34.8	231,486	56,454	24.4	31,867	19,381	60.8
1972 .....	894,110	306,459	34.3	252,774	60,049	23.8	33,041	19,342	58.5
1973 .....	930,272	321,085	34.5	264,525	62,046	23.5	33,755	19,373	57.4
1974 .....	954,376	326,230	34.2	278,259	62,239	22.4	33,047	18,714	56.6
1975 .....	931,663	313,555	33.7	293,651	63,198	21.5	32,952	18,799	57.0
1976 .....	934,443	309,491	33.1	313,001	65,007	20.8	32,946	18,472	56.1
1977 .....	928,228	303,798	32.7	318,241	67,397	21.2	31,716	18,008	56.8
1978 .....	930,201	303,555	32.6	312,816	67,264	21.5	30,875	17,653	57.2
1979 .....	931,340	303,162	32.6	302,075	64,226	21.3	31,239	17,872	57.2
1980 .....	940,251	304,695	32.4	299,095	64,089	21.4	31,020	17,775	57.3
1981 .....	946,877	306,792	32.4	296,798	64,366	21.7	31,356	18,257	58.2
1982 .....	964,043	315,023	32.7	296,580	66,568	22.4	31,111	18,275	58.7
1983 .....	980,679	317,571	32.4	290,931	67,733	23.3	31,281	18,635	59.6
1984 .....	986,345	324,284	32.9	285,462	68,582	24.0	31,337	18,748	59.8
1985 .....	990,877	332,273	33.5	287,213	70,578	24.6	31,297	18,935	60.5
1986 .....	1,000,204	335,405	33.5	289,829	71,840	24.8	31,902	19,437	60.9
1987 .....	1,003,532	331,526	33.0	290,532	72,603	25.0	32,370	19,894	61.5
1988 .....	1,006,033	322,482	32.1	300,091	73,655	24.5	33,500	20,932	62.5
1989 .....	1,030,171	322,821	31.3	311,050	76,425	24.6	34,327	21,732	63.3
1990 .....	1,062,151	329,094	31.0	324,947	77,788	23.9	36,067	22,868	63.4
1991 .....	1,107,997	337,675	30.5	338,498	78,368	23.2	37,534	24,023	64.0
1992 .....	1,150,072	355,265	30.9	354,207	81,107	22.9	38,890	24,675	63.4
1993 .....	1,179,278	366,035	31.0	370,973	86,425	23.3	39,801	25,443	63.9
1994 .....	1,183,141	373,261	31.5	389,008	91,411	23.5	41,034	26,205	63.9
1995 .....	1,174,436	378,148	32.2	399,428	94,309	23.6	41,743	26,535	63.6
1996 .....	1,179,815	384,674	32.6	408,932	95,313	23.3	42,414	27,229	64.2
1997 .....	1,186,589	388,482	32.7	420,954	93,485	22.2	42,555	27,245	64.0
1998 .....	1,199,579	390,618	32.6	431,871	93,918	21.7	42,683	27,309	64.0

**NOTE:** See section C for specific fields that are included in science and engineering.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 2. Degrees awarded in all fields, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Men	Women	Percent women	Men	Women	Percent women	Men	Women	Percent women
1966 .....	301,037	222,971	42.6	93,184	47,588	33.8	15,863	2,086	11.6
1967 .....	324,236	238,133	42.3	103,179	54,713	34.7	17,961	2,442	12.0
1968 .....	359,747	277,116	43.5	113,749	63,401	35.8	20,005	2,932	12.8
1969 .....	412,865	321,138	43.8	121,881	72,533	37.3	22,355	3,388	13.2
1970 .....	453,605	344,465	43.2	126,146	83,241	39.8	25,527	3,971	13.5
1971 .....	478,423	367,687	43.5	138,590	92,896	40.1	27,271	4,596	14.4
1972 .....	503,631	390,479	43.7	150,085	102,689	40.6	27,754	5,287	16.0
1973 .....	521,534	408,738	43.9	155,000	109,525	41.4	27,670	6,085	18.0
1974 .....	530,907	423,469	44.4	158,344	119,915	43.1	26,594	6,453	19.5
1975 .....	508,424	423,239	45.4	162,115	131,536	44.8	25,751	7,201	21.9
1976 .....	508,549	425,894	45.6	167,745	145,256	46.4	25,262	7,684	23.3
1977 .....	499,121	429,107	46.2	168,210	150,031	47.1	23,858	7,858	24.8
1978 .....	491,066	439,135	47.2	161,708	151,108	48.3	22,553	8,322	27.0
1979 .....	481,394	449,946	48.3	153,772	148,303	49.1	22,302	8,937	28.6
1980 .....	477,750	462,501	49.2	151,159	147,936	49.5	21,612	9,408	30.3
1981 .....	474,336	472,541	49.9	147,431	149,367	50.3	21,464	9,892	31.5
1982 .....	477,543	486,500	50.5	145,941	150,639	50.8	21,018	10,093	32.4
1983 .....	483,395	497,284	50.7	145,114	145,817	50.1	20,748	10,533	33.7
1984 .....	486,750	499,595	50.7	143,998	141,464	49.6	20,638	10,699	34.1
1985 .....	486,660	504,217	50.9	143,716	143,497	50.0	20,553	10,744	34.3
1986 .....	490,143	510,061	51.0	143,932	145,897	50.3	20,595	11,307	35.4
1987 .....	485,003	518,529	51.7	141,655	148,877	51.2	20,938	11,432	35.3
1988 .....	481,236	524,797	52.2	145,403	154,688	51.5	21,680	11,819	35.3
1989 .....	487,566	542,605	52.7	149,399	161,651	52.0	21,814	12,513	36.5
1990 .....	495,867	566,284	53.3	154,025	170,922	52.6	22,960	13,106	36.3
1991 .....	508,952	599,045	54.1	156,895	181,603	53.6	23,525	13,873	37.0
1992 .....	525,395	624,677	54.3	162,299	191,908	54.2	24,235	14,436	37.1
1993 .....	537,536	641,742	54.4	169,753	201,220	54.2	24,384	15,122	38.0
1994 .....	537,061	646,080	54.6	176,762	212,246	54.6	25,059	15,820	38.6
1995 .....	531,146	643,290	54.8	179,198	220,230	55.1	25,159	16,414	39.3
1996 .....	528,000	651,815	55.2	180,360	228,572	55.9	25,274	16,944	39.9
1997 .....	525,282	661,307	55.7	181,457	239,497	56.9	24,944	17,251	40.5
1998 .....	525,714	673,865	56.2	185,061	246,810	57.1	24,659	17,858	41.8

**NOTE:** Data on first-professional degrees are provided in tables 58, 59, and 60.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 3. Science and engineering degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Men	Women	Percent women	Men	Women	Percent women	Men	Women	Percent women
1966 .....	138,679	45,634	24.8	35,580	5,469	13.3	10,646	924	8.0
1967 .....	149,045	50,787	25.4	38,682	6,306	14.0	12,013	1,096	8.4
1968 .....	165,200	61,397	27.1	41,551	7,209	14.8	13,328	1,317	9.0
1969 .....	189,272	72,917	27.8	44,182	8,200	15.7	14,781	1,507	9.3
1970 .....	204,528	79,702	28.0	43,973	9,722	18.1	16,404	1,648	9.1
1971 .....	209,318	85,039	28.9	46,116	10,338	18.3	17,385	1,996	10.3
1972 .....	216,422	90,037	29.4	48,721	11,328	18.9	17,191	2,151	11.1
1973 .....	225,090	95,995	29.9	50,233	11,813	19.0	16,853	2,520	13.0
1974 .....	223,652	102,578	31.4	49,528	12,711	20.4	16,043	2,671	14.3
1975 .....	210,741	102,814	32.8	49,410	13,788	21.8	15,870	2,929	15.6
1976 .....	205,570	103,921	33.6	49,992	15,015	23.1	15,375	3,097	16.8
1977 .....	198,805	104,993	34.6	50,899	16,498	24.5	14,775	3,233	18.0
1978 .....	195,888	107,667	35.5	50,034	17,230	25.6	14,199	3,454	19.6
1979 .....	193,247	109,915	36.3	46,614	17,612	27.4	14,128	3,744	20.9
1980 .....	191,215	113,480	37.2	46,004	18,085	28.2	13,814	3,961	22.3
1981 .....	190,977	115,815	37.8	45,505	18,861	29.3	14,056	4,201	23.0
1982 .....	193,624	121,399	38.5	46,557	20,011	30.1	13,925	4,350	23.8
1983 .....	194,380	123,191	38.8	46,734	20,999	31.0	13,920	4,715	25.3
1984 .....	199,150	125,134	38.6	47,049	21,533	31.4	13,956	4,792	25.6
1985 .....	203,402	128,871	38.8	48,247	22,331	31.6	14,044	4,891	25.8
1986 .....	204,743	130,662	39.0	48,621	23,219	32.3	14,270	5,167	26.6
1987 .....	199,981	131,545	39.7	48,759	23,844	32.8	14,582	5,312	26.7
1988 .....	191,549	130,933	40.6	49,820	23,835	32.4	15,269	5,662	27.0
1989 .....	189,338	133,483	41.3	50,845	25,580	33.5	15,623	6,109	28.1
1990 .....	189,082	140,012	42.5	51,230	26,558	34.1	16,498	6,370	27.9
1991 .....	189,328	148,347	43.9	50,441	27,927	35.6	16,986	6,932	28.9
1992 .....	195,779	159,486	44.9	52,157	28,950	35.7	17,422	7,080	28.7
1993 .....	200,315	165,720	45.3	55,454	30,971	35.8	17,568	7,652	30.1
1994 .....	202,284	170,977	45.8	57,970	33,441	36.6	18,165	7,921	30.2
1995 .....	202,217	175,931	46.5	58,518	35,791	38.0	18,117	8,286	31.2
1996 .....	203,341	181,333	47.1	57,860	37,453	39.3	18,445	8,646	31.8
1997 .....	201,471	187,011	48.1	55,223	38,262	40.9	18,084	8,943	32.8
1998 .....	200,221	190,397	48.7	55,335	38,583	41.1	17,833	9,355	34.3

**NOTE:** See section C for specific fields that are included in science and engineering.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 4. Non-science and engineering degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Men	Women	Percent women	Men	Women	Percent women	Men	Women	Percent women
1966 .....	162,358	177,337	52.2	57,604	42,119	42.2	5,217	1,162	18.2
1967 .....	175,191	187,346	51.7	64,497	48,407	42.9	5,948	1,346	18.5
1968 .....	194,547	215,719	52.6	72,198	56,192	43.8	6,677	1,615	19.5
1969 .....	223,593	248,221	52.6	77,699	64,333	45.3	7,574	1,881	19.9
1970 .....	249,077	264,763	51.5	82,173	73,519	47.2	9,123	2,323	20.3
1971 .....	269,105	282,648	51.2	92,474	82,558	47.2	9,886	2,600	20.8
1972 .....	287,209	300,442	51.1	101,364	91,361	47.4	10,563	3,136	22.9
1973 .....	296,444	312,743	51.3	104,767	97,712	48.3	10,817	3,565	24.8
1974 .....	307,255	320,891	51.1	108,816	107,204	49.6	10,551	3,782	26.4
1975 .....	297,683	320,425	51.8	112,705	117,748	51.1	9,881	4,272	30.2
1976 .....	302,979	321,973	51.5	117,753	130,241	52.5	9,887	4,587	31.7
1977 .....	300,316	324,114	51.9	117,311	133,533	53.2	9,083	4,625	33.7
1978 .....	295,178	331,468	52.9	111,674	133,878	54.5	8,354	4,868	36.8
1979 .....	288,147	340,031	54.1	107,158	130,691	54.9	8,174	5,193	38.8
1980 .....	286,535	349,021	54.9	105,155	129,851	55.3	7,798	5,447	41.1
1981 .....	283,359	356,726	55.7	101,926	130,506	56.1	7,408	5,691	43.4
1982 .....	283,919	365,101	56.3	99,384	130,628	56.8	7,093	5,743	44.7
1983 .....	289,015	374,093	56.4	98,380	124,818	55.9	6,828	5,818	46.0
1984 .....	287,600	374,461	56.6	96,949	119,931	55.3	6,682	5,907	46.9
1985 .....	283,258	375,346	57.0	95,469	121,166	55.9	6,509	5,853	47.3
1986 .....	285,400	379,399	57.1	95,311	122,678	56.3	6,325	6,140	49.3
1987 .....	285,022	386,984	57.6	92,896	125,033	57.4	6,356	6,120	49.1
1988 .....	289,687	393,864	57.6	95,583	130,853	57.8	6,411	6,157	49.0
1989 .....	298,228	409,122	57.8	98,554	136,071	58.0	6,191	6,404	50.8
1990 .....	306,785	426,272	58.1	102,795	144,364	58.4	6,462	6,736	51.0
1991 .....	319,624	450,698	58.5	106,454	153,676	59.1	6,539	6,941	51.4
1992 .....	329,616	465,191	58.5	110,142	162,958	59.7	6,813	7,356	51.7
1993 .....	337,221	476,022	58.5	114,299	170,249	59.8	6,816	7,470	52.0
1994 .....	334,777	475,103	58.7	118,792	178,805	60.1	6,894	7,899	53.3
1995 .....	328,929	467,359	58.7	120,680	184,439	60.4	7,042	8,128	53.4
1996 .....	324,659	470,482	59.2	122,500	191,119	60.9	6,829	8,298	54.6
1997 .....	323,811	474,296	59.4	126,234	201,235	61.5	6,860	8,308	54.3
1998 .....	325,493	483,468	59.8	129,726	208,227	61.6	6,826	8,503	55.3

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 5. Bachelor's degrees awarded, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	524,008	184,313	35,826	15,462	1,712	20,179	29,804	16,966	64,364	339,695
1967 .....	562,369	199,832	36,197	15,847	1,936	21,530	32,489	19,435	72,398	362,537
1968 .....	636,863	226,597	37,680	17,037	2,339	24,084	36,141	23,921	85,395	410,266
1969 .....	734,003	262,189	41,582	18,623	2,924	28,263	41,280	29,458	100,059	471,814
1970 .....	798,070	284,230	44,770	18,173	3,351	29,109	44,447	33,784	110,596	513,840
1971 .....	846,110	294,357	45,248	17,948	3,562	27,306	45,728	38,154	116,411	551,753
1972 .....	894,110	306,459	45,711	16,814	4,055	27,250	48,291	43,421	120,917	587,651
1973 .....	930,272	321,085	46,779	16,415	4,374	27,528	54,687	48,096	123,206	609,187
1974 .....	954,376	326,230	43,248	16,453	4,823	26,570	61,906	52,256	120,974	628,146
1975 .....	931,663	313,555	39,824	16,001	4,877	23,385	66,321	51,436	111,711	618,108
1976 .....	934,443	309,491	38,790	16,497	5,046	21,749	70,004	50,363	107,042	624,952
1977 .....	928,228	303,798	41,357	16,937	5,653	20,729	70,589	47,794	100,739	624,430
1978 .....	930,201	303,555	47,251	17,143	6,003	19,925	69,215	45,057	98,961	626,646
1979 .....	931,340	303,162	53,469	17,257	6,082	20,670	66,781	43,012	95,891	628,178
1980 .....	940,251	304,695	58,810	17,470	6,155	22,686	63,942	42,513	93,119	635,556
1981 .....	946,877	306,792	63,717	17,446	6,694	26,406	59,922	41,364	91,243	640,085
1982 .....	964,043	315,023	67,460	17,263	7,061	32,139	57,535	41,539	92,026	649,020
1983 .....	980,679	317,571	72,670	16,197	7,298	37,344	55,411	40,825	87,826	663,108
1984 .....	986,345	324,284	76,153	15,831	7,925	45,946	52,351	40,375	85,703	662,061
1985 .....	990,877	332,273	77,572	16,270	7,576	54,510	51,312	40,237	84,796	658,604
1986 .....	1,000,204	335,405	76,820	15,784	6,076	58,726	50,441	40,937	86,621	664,799
1987 .....	1,003,532	331,526	74,425	15,464	4,689	56,442	48,571	43,195	88,740	672,006
1988 .....	1,006,033	322,482	70,154	14,255	3,554	50,877	46,925	45,378	91,339	683,551
1989 .....	1,030,171	322,821	66,947	14,148	3,181	46,277	45,531	48,954	97,783	707,350
1990 .....	1,062,151	329,094	64,705	13,425	2,776	42,369	46,451	54,018	105,350	733,057
1991 .....	1,107,997	337,675	62,187	13,678	2,728	40,194	48,783	58,893	111,212	770,322
1992 .....	1,150,072	355,265	61,941	13,875	3,201	39,889	54,193	64,033	118,133	794,807
1993 .....	1,179,278	366,035	62,705	14,188	3,503	39,433	59,621	67,251	119,334	813,243
1994 .....	1,183,141	373,261	63,012	14,655	3,868	39,185	65,268	69,768	117,505	809,880
1995 .....	1,174,436	378,148	63,371	14,897	4,478	38,620	71,470	72,601	112,711	796,288
1996 .....	1,179,815	384,674	63,114	15,396	4,457	37,621	78,469	73,828	111,789	795,141
1997 .....	1,186,589	388,482	62,352	15,264	4,466	38,116	82,500	74,734	111,050	798,107
1998 .....	1,199,579	390,618	60,914	15,273	4,321	39,768	85,079	74,457	110,806	808,961

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 6. Percentage distribution of bachelor's degrees awarded, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	35.2	6.8	3.0	0.3	3.9	5.7	3.2	12.3	64.8
1967 .....	100.0	35.5	6.4	2.8	.3	3.8	5.8	3.5	12.9	64.5
1968 .....	100.0	35.6	5.9	2.7	.4	3.8	5.7	3.8	13.4	64.4
1969 .....	100.0	35.7	5.7	2.5	.4	3.9	5.6	4.0	13.6	64.3
1970 .....	100.0	35.6	5.6	2.3	.4	3.6	5.6	4.2	13.9	64.4
1971 .....	100.0	34.8	5.3	2.1	.4	3.2	5.4	4.5	13.8	65.2
1972 .....	100.0	34.3	5.1	1.9	.5	3.0	5.4	4.9	13.5	65.7
1973 .....	100.0	34.5	5.0	1.8	.5	3.0	5.9	5.2	13.2	65.5
1974 .....	100.0	34.2	4.5	1.7	.5	2.8	6.5	5.5	12.7	65.8
1975 .....	100.0	33.7	4.3	1.7	.5	2.5	7.1	5.5	12.0	66.3
1976 .....	100.0	33.1	4.2	1.8	.5	2.3	7.5	5.4	11.5	66.9
1977 .....	100.0	32.7	4.5	1.8	.6	2.2	7.6	5.1	10.9	67.3
1978 .....	100.0	32.6	5.1	1.8	.6	2.1	7.4	4.8	10.6	67.4
1979 .....	100.0	32.6	5.7	1.9	.7	2.2	7.2	4.6	10.3	67.4
1980 .....	100.0	32.4	6.3	1.9	.7	2.4	6.8	4.5	9.9	67.6
1981 .....	100.0	32.4	6.7	1.8	.7	2.8	6.3	4.4	9.6	67.6
1982 .....	100.0	32.7	7.0	1.8	.7	3.3	6.0	4.3	9.5	67.3
1983 .....	100.0	32.4	7.4	1.7	.7	3.8	5.7	4.2	9.0	67.6
1984 .....	100.0	32.9	7.7	1.6	.8	4.7	5.3	4.1	8.7	67.1
1985 .....	100.0	33.5	7.8	1.6	.8	5.5	5.2	4.1	8.6	66.5
1986 .....	100.0	33.5	7.7	1.6	.6	5.9	5.0	4.1	8.7	66.5
1987 .....	100.0	33.0	7.4	1.5	.5	5.6	4.8	4.3	8.8	67.0
1988 .....	100.0	32.1	7.0	1.4	.4	5.1	4.7	4.5	9.1	67.9
1989 .....	100.0	31.3	6.5	1.4	.3	4.5	4.4	4.8	9.5	68.7
1990 .....	100.0	31.0	6.1	1.3	.3	4.0	4.4	5.1	9.9	69.0
1991 .....	100.0	30.5	5.6	1.2	.2	3.6	4.4	5.3	10.0	69.5
1992 .....	100.0	30.9	5.4	1.2	.3	3.5	4.7	5.6	10.3	69.1
1993 .....	100.0	31.0	5.3	1.2	.3	3.3	5.1	5.7	10.1	69.0
1994 .....	100.0	31.5	5.3	1.2	.3	3.3	5.5	5.9	9.9	68.5
1995 .....	100.0	32.2	5.4	1.3	.4	3.3	6.1	6.2	9.6	67.8
1996 .....	100.0	32.6	5.3	1.3	.4	3.2	6.7	6.3	9.5	67.4
1997 .....	100.0	32.7	5.3	1.3	.4	3.2	7.0	6.3	9.4	67.3
1998 .....	100.0	32.6	5.1	1.3	.4	3.3	7.1	6.2	9.2	67.4

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 7: Bachelor's degrees awarded to men, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos. & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	301,037	138,679	35,680	13,290	1,551	13,477	22,339	10,038	42,304	162,358
1967 .....	324,236	149,045	36,013	13,642	1,739	14,196	24,541	11,657	47,257	175,191
1968 .....	359,747	165,200	37,464	14,602	2,105	15,243	27,175	13,791	54,820	194,547
1969 .....	412,865	189,272	41,270	15,962	2,633	17,915	31,190	16,758	63,544	223,593
1970 .....	453,605	204,528	44,433	15,547	3,008	18,593	33,747	19,067	70,133	249,077
1971 .....	478,423	209,318	44,887	15,317	3,179	17,488	34,712	21,117	72,618	269,105
1972 .....	503,631	216,422	45,219	14,161	3,560	17,466	36,514	23,267	76,235	287,209
1973 .....	521,534	225,090	46,203	13,826	3,842	17,543	40,908	25,110	77,658	296,444
1974 .....	530,907	223,652	42,550	13,686	4,055	16,851	45,174	25,849	75,487	307,255
1975 .....	508,424	210,741	38,979	12,990	4,050	14,729	46,937	24,333	68,723	297,683
1976 .....	508,549	205,570	37,473	13,280	4,124	14,071	48,168	22,987	65,467	302,979
1977 .....	499,121	198,805	39,313	13,560	4,479	13,241	47,339	20,692	60,181	300,316
1978 .....	491,066	195,888	43,769	13,453	4,709	12,815	44,852	18,517	57,773	295,178
1979 .....	481,394	193,247	48,588	13,358	4,695	13,249	41,994	16,649	54,714	288,147
1980 .....	477,750	191,215	52,858	13,285	4,693	14,439	38,931	15,590	51,419	286,535
1981 .....	474,336	190,977	56,654	13,137	5,028	16,672	35,265	14,447	49,774	283,359
1982 .....	477,543	193,624	59,185	12,737	5,254	19,966	33,222	13,756	49,504	283,919
1983 .....	483,395	194,380	63,018	11,586	5,450	22,802	31,132	13,228	47,164	289,015
1984 .....	486,750	199,150	65,424	11,175	5,991	27,893	29,108	12,949	46,610	287,600
1985 .....	486,660	203,402	66,326	11,434	5,715	32,985	28,172	12,815	45,955	283,258
1986 .....	490,143	204,743	65,682	11,088	4,722	35,920	27,488	12,691	47,152	285,400
1987 .....	485,003	199,981	63,021	10,792	3,629	34,871	26,168	13,399	48,101	285,022
1988 .....	481,236	191,549	59,375	9,673	2,707	32,112	24,550	13,584	49,548	289,687
1989 .....	487,566	189,338	56,759	9,777	2,380	29,682	23,852	14,291	52,597	298,228
1990 .....	495,867	189,082	54,732	9,106	2,001	27,184	24,050	15,399	56,610	306,785
1991 .....	508,952	189,328	52,522	9,253	1,946	25,700	25,007	16,155	58,745	319,624
1992 .....	525,395	195,779	52,305	9,289	2,177	25,693	27,473	17,130	61,712	329,616
1993 .....	537,536	200,315	52,724	9,424	2,453	25,483	30,439	18,029	61,763	337,221
1994 .....	537,061	202,284	52,609	9,588	2,665	25,397	33,347	18,749	59,929	334,777
1995 .....	531,146	202,217	52,421	9,605	2,954	25,066	35,915	19,638	56,618	328,929
1996 .....	528,000	203,341	51,798	9,694	2,972	24,857	39,100	19,965	54,955	324,659
1997 .....	525,282	201,471	50,882	9,382	2,924	25,324	39,967	19,491	53,501	323,811
1998 .....	525,714	200,221	49,575	9,279	2,722	26,670	40,235	19,057	52,683	325,493

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 8. Percentage distribution of bachelor's degrees awarded to men, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	46.1	11.9	4.4	0.5	4.5	7.4	3.3	14.1	53.9
1967 .....	100.0	46.0	11.1	4.2	.5	4.4	7.6	3.6	14.6	54.0
1968 .....	100.0	45.9	10.4	4.1	.6	4.2	7.6	3.8	15.2	54.1
1969 .....	100.0	45.8	10.0	3.9	.6	4.3	7.6	4.1	15.4	54.2
1970 .....	100.0	45.1	9.8	3.4	.7	4.1	7.4	4.2	15.5	54.9
1971 .....	100.0	43.8	9.4	3.2	.7	3.7	7.3	4.4	15.2	56.2
1972 .....	100.0	43.0	9.0	2.8	.7	3.5	7.3	4.6	15.1	57.0
1973 .....	100.0	43.2	8.9	2.7	.7	3.4	7.8	4.8	14.9	56.8
1974 .....	100.0	42.1	8.0	2.6	.8	3.2	8.5	4.9	14.2	57.9
1975 .....	100.0	41.4	7.7	2.6	.8	2.9	9.2	4.8	13.5	58.6
1976 .....	100.0	40.4	7.4	2.6	.8	2.8	9.5	4.5	12.9	59.6
1977 .....	100.0	39.8	7.9	2.7	.9	2.7	9.5	4.1	12.1	60.2
1978 .....	100.0	39.9	8.9	2.7	1.0	2.6	9.1	3.8	11.8	60.1
1979 .....	100.0	40.1	10.1	2.8	1.0	2.8	8.7	3.5	11.4	59.9
1980 .....	100.0	40.0	11.1	2.8	1.0	3.0	8.1	3.3	10.8	60.0
1981 .....	100.0	40.3	11.9	2.8	1.1	3.5	7.4	3.0	10.5	59.7
1982 .....	100.0	40.5	12.4	2.7	1.1	4.2	7.0	2.9	10.4	59.5
1983 .....	100.0	40.2	13.0	2.4	1.1	4.7	6.4	2.7	9.8	59.8
1984 .....	100.0	40.9	13.4	2.3	1.2	5.7	6.0	2.7	9.6	59.1
1985 .....	100.0	41.8	13.6	2.3	1.2	6.8	5.8	2.6	9.4	58.2
1986 .....	100.0	41.8	13.4	2.3	1.0	7.3	5.6	2.6	9.6	58.2
1987 .....	100.0	41.2	13.0	2.2	.7	7.2	5.4	2.8	9.9	58.8
1988 .....	100.0	39.8	12.3	2.0	.6	6.7	5.1	2.8	10.3	60.2
1989 .....	100.0	38.8	11.6	2.0	.5	6.1	4.9	2.9	10.8	61.2
1990 .....	100.0	38.1	11.0	1.8	.4	5.5	4.9	3.1	11.4	61.9
1991 .....	100.0	37.2	10.3	1.8	.4	5.0	4.9	3.2	11.5	62.8
1992 .....	100.0	37.3	10.0	1.8	.4	4.9	5.2	3.3	11.7	62.7
1993 .....	100.0	37.3	9.8	1.8	.5	4.7	5.7	3.4	11.5	62.7
1994 .....	100.0	37.7	9.8	1.8	.5	4.7	6.2	3.5	11.2	62.3
1995 .....	100.0	38.1	9.9	1.8	.6	4.7	6.8	3.7	10.7	61.9
1996 .....	100.0	38.5	9.8	1.8	.6	4.7	7.4	3.8	10.4	61.5
1997 .....	100.0	38.4	9.7	1.8	.6	4.8	7.6	3.7	10.2	61.6
1998 .....	100.0	38.1	9.4	1.8	.5	5.1	7.7	3.6	10.0	61.9

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 9. Bachelor's degrees awarded to women, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	222,971	45,634	146	2,172	161	6,702	7,465	6,928	22,060	177,337
1967 .....	238,133	50,787	184	2,205	197	7,334	7,948	7,778	25,141	187,346
1968 .....	277,116	61,397	216	2,435	234	8,841	8,966	10,130	30,575	215,719
1969 .....	321,138	72,917	312	2,661	291	10,348	10,090	12,700	36,515	248,221
1970 .....	344,465	79,702	337	2,626	343	10,516	10,700	14,717	40,463	264,763
1971 .....	367,687	85,039	361	2,631	383	9,818	11,016	17,037	43,793	282,648
1972 .....	390,479	90,037	492	2,653	495	9,784	11,777	20,154	44,682	300,442
1973 .....	408,738	95,995	576	2,589	532	9,985	13,779	22,986	45,548	312,743
1974 .....	423,469	102,578	698	2,767	768	9,719	16,732	26,407	45,487	320,891
1975 .....	423,239	102,814	845	3,011	827	8,656	19,384	27,103	42,988	320,425
1976 .....	425,894	103,921	1,317	3,217	922	7,678	21,836	27,376	41,575	321,973
1977 .....	429,107	104,993	2,044	3,377	1,174	7,488	23,250	27,102	40,558	324,114
1978 .....	439,135	107,667	3,482	3,690	1,294	7,110	24,363	26,540	41,188	331,468
1979 .....	449,946	109,915	4,881	3,899	1,387	7,421	24,787	26,363	41,177	340,031
1980 .....	462,501	113,480	5,952	4,185	1,462	8,247	25,011	26,923	41,700	349,021
1981 .....	472,541	115,815	7,063	4,309	1,666	9,734	24,657	26,917	41,469	356,726
1982 .....	486,500	121,399	8,275	4,526	1,807	12,173	24,313	27,783	42,522	365,101
1983 .....	497,284	123,191	9,652	4,611	1,848	14,542	24,279	27,597	40,662	374,093
1984 .....	499,595	125,134	10,729	4,656	1,934	18,053	23,243	27,426	39,093	374,461
1985 .....	504,217	128,871	11,246	4,836	1,861	21,525	23,140	27,422	38,841	375,346
1986 .....	510,061	130,662	11,138	4,696	1,354	22,806	22,953	28,246	39,469	379,399
1987 .....	518,529	131,545	11,404	4,672	1,060	21,571	22,403	29,796	40,639	386,984
1988 .....	524,797	130,933	10,779	4,582	847	18,765	22,375	31,794	41,791	393,864
1989 .....	542,605	133,483	10,188	4,371	801	16,595	21,679	34,663	45,186	409,122
1990 .....	566,284	140,012	9,973	4,319	775	15,185	22,401	38,619	48,740	426,272
1991 .....	599,045	148,347	9,665	4,425	782	14,494	23,776	42,738	52,467	450,698
1992 .....	624,677	159,486	9,636	4,586	1,024	14,196	26,720	46,903	56,421	465,191
1993 .....	641,742	165,720	9,981	4,764	1,050	13,950	29,182	49,222	57,571	476,022
1994 .....	646,080	170,977	10,403	5,067	1,203	13,788	31,921	51,019	57,576	475,103
1995 .....	643,290	175,931	10,950	5,292	1,524	13,554	35,555	52,963	56,093	467,359
1996 .....	651,815	181,333	11,316	5,702	1,485	12,764	39,369	53,863	56,834	470,482
1997 .....	661,307	187,011	11,470	5,882	1,542	12,792	42,533	55,243	57,549	474,296
1998 .....	673,865	190,397	11,339	5,994	1,599	13,098	44,844	55,400	58,123	483,468

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 10. Percentage distribution of bachelor's degrees awarded to women, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	20.5	0.1	1.0	0.1	3.0	3.3	3.1	9.9	79.5
1967 .....	100.0	21.3	.1	.9	.1	3.1	3.3	3.3	10.6	78.7
1968 .....	100.0	22.2	.1	.9	.1	3.2	3.2	3.7	11.0	77.8
1969 .....	100.0	22.7	.1	.8	.1	3.2	3.1	4.0	11.4	77.3
1970 .....	100.0	23.1	.1	.8	.1	3.1	3.1	4.3	11.7	76.9
1971 .....	100.0	23.1	.1	.7	.1	2.7	3.0	4.6	11.9	76.9
1972 .....	100.0	23.1	.1	.7	.1	2.5	3.0	5.2	11.4	76.9
1973 .....	100.0	23.5	.1	.6	.1	2.4	3.4	5.6	11.1	76.5
1974 .....	100.0	24.2	.2	.7	.2	2.3	4.0	6.2	10.7	75.8
1975 .....	100.0	24.3	.2	.7	.2	2.0	4.6	6.4	10.2	75.7
1976 .....	100.0	24.4	.3	.8	.2	1.8	5.1	6.4	9.8	75.6
1977 .....	100.0	24.5	.5	.8	.3	1.7	5.4	6.3	9.5	75.5
1978 .....	100.0	24.5	.8	.8	.3	1.6	5.5	6.0	9.4	75.5
1979 .....	100.0	24.4	1.1	.9	.3	1.6	5.5	5.9	9.2	75.6
1980 .....	100.0	24.5	1.3	.9	.3	1.8	5.4	5.8	9.0	75.5
1981 .....	100.0	24.5	1.5	.9	.4	2.1	5.2	5.7	8.8	75.5
1982 .....	100.0	25.0	1.7	.9	.4	2.5	5.0	5.7	8.7	75.0
1983 .....	100.0	24.8	1.9	.9	.4	2.9	4.9	5.5	8.2	75.2
1984 .....	100.0	25.0	2.1	.9	.4	3.6	4.7	5.5	7.8	75.0
1985 .....	100.0	25.6	2.2	1.0	.4	4.3	4.6	5.4	7.7	74.4
1986 .....	100.0	25.6	2.2	.9	.3	4.5	4.5	5.5	7.7	74.4
1987 .....	100.0	25.4	2.2	.9	.2	4.2	4.3	5.7	7.8	74.6
1988 .....	100.0	24.9	2.1	.9	.2	3.6	4.3	6.1	8.0	75.1
1989 .....	100.0	24.6	1.9	.8	.1	3.1	4.0	6.4	8.3	75.4
1990 .....	100.0	24.7	1.8	.8	.1	2.7	4.0	6.8	8.6	75.3
1991 .....	100.0	24.8	1.6	.7	.1	2.4	4.0	7.1	8.8	75.2
1992 .....	100.0	25.5	1.5	.7	.2	2.3	4.3	7.5	9.0	74.5
1993 .....	100.0	25.8	1.6	.7	.2	2.2	4.5	7.7	9.0	74.2
1994 .....	100.0	26.5	1.6	.8	.2	2.1	4.9	7.9	8.9	73.5
1995 .....	100.0	27.3	1.7	.8	.2	2.1	5.5	8.2	8.7	72.7
1996 .....	100.0	27.8	1.7	.9	.2	2.0	6.0	8.3	8.7	72.2
1997 .....	100.0	28.3	1.7	.9	.2	1.9	6.4	8.4	8.7	71.7
1998 .....	100.0	28.3	1.7	.9	.2	1.9	6.7	8.2	8.6	71.7

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 11. Women as a percentage of all bachelor's recipients, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	42.6	24.8	0.4	14.0	9.4	33.2	25.0	40.8	34.3	52.2
1967 .....	42.3	25.4	.5	13.9	10.2	34.1	24.5	40.0	34.7	51.7
1968 .....	43.5	27.1	.6	14.3	10.0	36.7	24.8	42.3	35.8	52.6
1969 .....	43.8	27.8	.8	14.3	10.0	36.6	24.4	43.1	36.5	52.6
1970 .....	43.2	28.0	.8	14.5	10.2	36.1	24.1	43.6	36.6	51.5
1971 .....	43.5	28.9	.8	14.7	10.8	36.0	24.1	44.7	37.6	51.2
1972 .....	43.7	29.4	1.1	15.8	12.2	35.9	24.4	46.4	37.0	51.1
1973 .....	43.9	29.9	1.2	15.8	12.2	36.3	25.2	47.8	37.0	51.3
1974 .....	44.4	31.4	1.6	16.8	15.9	36.6	27.0	50.5	37.6	51.1
1975 .....	45.4	32.8	2.1	18.8	17.0	37.0	29.2	52.7	38.5	51.8
1976 .....	45.6	33.6	3.4	19.5	18.3	35.3	31.2	54.4	38.8	51.5
1977 .....	46.2	34.6	4.9	19.9	20.8	36.1	32.9	56.7	40.3	51.9
1978 .....	47.2	35.5	7.4	21.5	21.6	35.7	35.2	58.9	41.6	52.9
1979 .....	48.3	36.3	9.1	22.6	22.8	35.9	37.1	61.3	42.9	54.1
1980 .....	49.2	37.2	10.1	24.0	23.8	36.4	39.1	63.3	44.8	54.9
1981 .....	49.9	37.8	11.1	24.7	24.9	36.9	41.1	65.1	45.4	55.7
1982 .....	50.5	38.5	12.3	26.2	25.6	37.9	42.3	66.9	46.2	56.3
1983 .....	50.7	38.8	13.3	28.5	25.3	38.9	43.8	67.6	46.3	56.4
1984 .....	50.7	38.6	14.1	29.4	24.4	39.3	44.4	67.9	45.6	56.6
1985 .....	50.9	38.8	14.5	29.7	24.6	39.5	45.1	68.2	45.8	57.0
1986 .....	51.0	39.0	14.5	29.8	22.3	38.8	45.5	69.0	45.6	57.1
1987 .....	51.7	39.7	15.3	30.2	22.6	38.2	46.1	69.0	45.8	57.6
1988 .....	52.2	40.6	15.4	32.1	23.8	36.9	47.7	70.1	45.8	57.6
1989 .....	52.7	41.3	15.2	30.9	25.2	35.9	47.6	70.8	46.2	57.8
1990 .....	53.3	42.5	15.4	32.2	27.9	35.8	48.2	71.5	46.3	58.1
1991 .....	54.1	43.9	15.5	32.4	28.7	36.1	48.7	72.6	47.2	58.5
1992 .....	54.3	44.9	15.6	33.1	32.0	35.6	49.3	73.2	47.8	58.5
1993 .....	54.4	45.3	15.9	33.6	30.0	35.4	48.9	73.2	48.2	58.5
1994 .....	54.6	45.8	16.5	34.6	31.1	35.2	48.9	73.1	49.0	58.7
1995 .....	54.8	46.5	17.3	35.5	34.0	35.1	49.7	73.0	49.8	58.7
1996 .....	55.2	47.1	17.9	37.0	33.3	33.9	50.2	73.0	50.8	59.2
1997 .....	55.7	48.1	18.4	38.5	34.5	33.6	51.6	73.9	51.8	59.4
1998 .....	56.2	48.7	18.6	39.2	37.0	32.9	52.7	74.4	52.5	59.8

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 12. Master's degrees awarded, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	140,772	41,049	13,705	4,206	759	5,010	5,865	2,423	9,081	99,723
1967 .....	157,892	44,988	13,921	4,405	971	5,733	6,712	2,898	10,348	112,904
1968 .....	177,150	48,760	15,232	4,456	1,008	6,081	7,309	3,240	11,434	128,390
1969 .....	194,414	52,382	15,248	4,755	1,124	6,735	7,799	3,738	12,983	142,032
1970 .....	209,387	53,695	15,597	4,796	1,124	7,107	7,619	3,962	13,490	155,692
1971 .....	231,486	56,454	16,367	5,115	1,227	6,789	7,604	4,438	14,914	175,032
1972 .....	252,774	60,049	16,764	4,864	1,408	7,186	8,200	5,293	16,334	192,725
1973 .....	264,525	62,046	16,545	4,769	1,470	7,146	8,514	5,882	17,720	202,479
1974 .....	278,259	62,239	15,205	4,379	1,679	7,116	8,866	6,616	18,378	216,020
1975 .....	293,651	63,198	15,167	4,298	1,503	6,637	9,030	7,104	19,459	230,453
1976 .....	313,001	65,007	16,045	3,880	1,581	6,466	9,223	7,859	19,953	247,994
1977 .....	318,241	67,397	16,012	3,641	1,659	6,496	10,060	8,320	21,209	250,844
1978 .....	312,816	67,264	16,080	3,713	1,832	6,421	10,001	8,194	21,023	245,552
1979 .....	302,075	64,226	15,279	3,650	1,777	6,101	10,016	8,031	19,372	237,849
1980 .....	299,095	64,089	15,943	3,408	1,793	6,515	9,631	7,861	18,938	235,006
1981 .....	296,798	84,366	16,451	3,366	1,876	6,787	9,107	8,039	18,740	232,432
1982 .....	296,580	66,568	17,557	3,491	2,012	7,666	9,199	7,849	18,794	230,012
1983 .....	290,931	67,733	18,886	3,285	1,959	8,177	9,136	8,439	17,851	223,198
1984 .....	285,462	68,582	20,145	3,544	1,982	8,960	8,702	8,073	17,176	216,880
1985 .....	287,213	70,578	20,972	3,605	2,160	10,004	8,208	8,481	17,148	216,635
1986 .....	289,829	71,840	21,096	3,649	2,234	11,254	8,023	8,363	17,221	217,989
1987 .....	290,532	72,603	22,070	3,574	2,051	11,808	7,775	8,165	17,160	217,929
1988 .....	300,091	73,655	22,726	3,708	1,920	12,600	7,556	7,925	17,220	226,436
1989 .....	311,050	76,425	23,743	3,876	1,819	12,829	7,523	8,652	17,983	234,625
1990 .....	324,947	77,788	23,995	3,805	1,596	13,327	7,527	9,308	18,230	247,159
1991 .....	338,498	78,368	24,013	3,777	1,499	12,956	7,406	9,802	18,915	260,130
1992 .....	354,207	81,107	25,018	3,922	1,425	13,320	7,885	9,852	19,685	273,100
1993 .....	370,973	86,425	27,664	3,965	1,397	14,100	8,112	10,412	20,775	284,548
1994 .....	389,008	91,411	28,717	4,263	1,418	14,350	8,686	11,572	22,405	297,597
1995 .....	399,428	94,309	28,630	4,241	1,483	14,495	9,069	13,132	23,259	305,119
1996 .....	408,932	95,313	27,761	4,364	1,487	14,355	10,307	13,043	23,996	313,619
1997 .....	420,954	93,485	25,874	4,141	1,435	14,088	10,521	13,633	23,793	327,469
1998 .....	431,871	93,918	26,138	3,969	1,426	15,277	10,230	13,146	23,732	337,953

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 13. Percentage distribution of master's degrees awarded, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	29.2	9.7	3.0	0.5	3.6	4.2	1.7	6.5	70.8
1967 .....	100.0	28.5	8.8	2.8	.6	3.6	4.3	1.8	6.6	71.5
1968 .....	100.0	27.5	8.6	2.5	.6	3.4	4.1	1.8	6.5	72.5
1969 .....	100.0	26.9	7.8	2.4	.6	3.5	4.0	1.9	6.7	73.1
1970 .....	100.0	25.6	7.4	2.3	.5	3.4	3.6	1.9	6.4	74.4
1971 .....	100.0	24.4	7.1	2.2	.5	2.9	3.3	1.9	6.4	75.6
1972 .....	100.0	23.8	6.6	1.9	.6	2.8	3.2	2.1	6.5	76.2
1973 .....	100.0	23.5	6.3	1.8	.6	2.7	3.2	2.2	6.7	76.5
1974 .....	100.0	22.4	5.5	1.6	.6	2.6	3.2	2.4	6.6	77.6
1975 .....	100.0	21.5	5.2	1.5	.5	2.3	3.1	2.4	6.6	78.5
1976 .....	100.0	20.8	5.1	1.2	.5	2.1	2.9	2.5	6.4	79.2
1977 .....	100.0	21.2	5.0	1.1	.5	2.0	3.2	2.6	6.7	78.8
1978 .....	100.0	21.5	5.1	1.2	.6	2.1	3.2	2.6	6.7	78.5
1979 .....	100.0	21.3	5.1	1.2	.6	2.0	3.3	2.7	6.4	78.7
1980 .....	100.0	21.4	5.3	1.1	.6	2.2	3.2	2.6	6.3	78.6
1981 .....	100.0	21.7	5.5	1.1	.6	2.3	3.1	2.7	6.3	78.3
1982 .....	100.0	22.4	5.9	1.2	.7	2.6	3.1	2.6	6.3	77.6
1983 .....	100.0	23.3	6.5	1.1	.7	2.8	3.1	2.9	6.1	76.7
1984 .....	100.0	24.0	7.1	1.2	.7	3.1	3.0	2.8	6.0	76.0
1985 .....	100.0	24.6	7.3	1.3	.8	3.5	2.9	3.0	6.0	75.4
1986 .....	100.0	24.8	7.3	1.3	.8	3.9	2.8	2.9	5.9	75.2
1987 .....	100.0	25.0	7.6	1.2	.7	4.1	2.7	2.8	5.9	75.0
1988 .....	100.0	24.5	7.6	1.2	.6	4.2	2.5	2.6	5.7	75.5
1989 .....	100.0	24.6	7.6	1.2	.6	4.1	2.4	2.8	5.8	75.4
1990 .....	100.0	23.9	7.4	1.2	.5	4.1	2.3	2.9	5.6	76.1
1991 .....	100.0	23.2	7.1	1.1	.4	3.8	2.2	2.9	5.6	76.8
1992 .....	100.0	22.9	7.1	1.1	.4	3.8	2.2	2.8	5.6	77.1
1993 .....	100.0	23.3	7.5	1.1	.4	3.8	2.2	2.8	5.6	76.7
1994 .....	100.0	23.5	7.4	1.1	.4	3.7	2.2	3.0	5.8	76.5
1995 .....	100.0	23.6	7.2	1.1	.4	3.6	2.3	3.3	5.8	76.4
1996 .....	100.0	23.3	6.8	1.1	.4	3.5	2.5	3.2	5.9	76.7
1997 .....	100.0	22.2	6.1	1.0	.3	3.3	2.5	3.2	5.7	77.8
1998 .....	100.0	21.7	6.1	.9	.3	3.5	2.4	3.0	5.5	78.3

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 14. Master's degrees awarded to men, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	93,184	35,580	13,629	3,723	714	3,992	4,646	1,625	7,251	57,604
1967 .....	103,179	38,682	13,843	3,907	916	4,423	5,359	1,971	8,263	64,497
1968 .....	113,749	41,551	15,133	3,892	937	4,720	5,678	2,229	8,962	72,198
1969 .....	121,881	44,182	15,135	4,176	1,035	5,169	6,033	2,584	10,050	77,699
1970 .....	126,146	43,973	15,428	4,074	999	5,298	5,655	2,484	10,035	82,173
1971 .....	138,590	46,116	16,181	4,379	1,111	5,101	5,546	2,787	11,011	92,474
1972 .....	150,085	48,721	16,493	4,128	1,256	5,409	6,014	3,260	12,161	101,364
1973 .....	155,000	50,233	16,267	4,100	1,294	5,416	6,406	3,515	13,235	104,767
1974 .....	158,344	49,528	14,858	3,689	1,482	5,323	6,633	3,986	13,557	108,816
1975 .....	162,115	49,410	14,795	3,645	1,309	4,871	6,755	4,059	13,976	112,705
1976 .....	167,745	49,992	15,477	3,275	1,361	4,776	6,752	4,188	14,163	117,753
1977 .....	168,210	50,899	15,314	2,981	1,433	4,730	7,219	4,316	14,906	117,311
1978 .....	161,708	50,034	15,237	3,060	1,542	4,704	6,981	3,931	14,579	111,674
1979 .....	153,772	46,614	14,342	2,971	1,467	4,469	6,785	3,688	12,892	107,158
1980 .....	151,159	46,004	14,820	2,770	1,457	4,715	6,502	3,397	12,343	105,155
1981 .....	147,431	45,505	15,122	2,691	1,470	4,939	6,061	3,371	11,851	101,926
1982 .....	145,941	46,557	15,982	2,744	1,560	5,446	5,896	3,228	11,701	99,384
1983 .....	145,114	46,734	17,131	2,600	1,515	5,684	5,703	3,254	10,847	98,380
1984 .....	143,998	47,049	18,045	2,698	1,517	6,185	5,303	2,980	10,321	96,949
1985 .....	143,716	48,247	18,728	2,775	1,639	6,951	4,881	3,064	10,209	95,469
1986 .....	143,932	48,621	18,696	2,736	1,717	7,724	4,679	2,937	10,132	95,311
1987 .....	141,655	48,759	19,300	2,684	1,531	8,011	4,437	2,838	9,958	92,896
1988 .....	145,403	49,820	19,918	2,817	1,433	8,759	4,312	2,599	9,982	95,583
1989 .....	149,399	50,845	20,661	2,836	1,337	8,833	4,210	2,814	10,154	98,554
1990 .....	154,025	51,230	20,726	2,754	1,218	9,176	4,080	3,025	10,251	102,795
1991 .....	156,895	50,441	20,656	2,703	1,116	8,709	3,975	2,994	10,288	106,454
1992 .....	162,299	52,157	21,349	2,834	1,057	9,199	4,227	2,929	10,562	110,142
1993 .....	169,753	55,454	23,570	2,794	1,006	9,773	4,381	2,928	11,002	114,299
1994 .....	176,762	57,970	24,294	3,030	994	10,128	4,515	3,287	11,722	118,792
1995 .....	179,198	58,518	23,998	2,958	1,032	10,130	4,740	3,735	11,925	120,680
1996 .....	180,360	57,860	23,009	2,914	1,051	9,999	5,259	3,670	11,958	122,500
1997 .....	181,457	55,223	21,179	2,808	948	9,620	5,308	3,715	11,645	126,234
1998 .....	185,061	55,335	20,975	2,529	932	10,393	5,167	3,606	11,733	129,726

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 15. Percentage distribution of master's degrees awarded to men, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	38.2	14.6	4.0	0.8	4.3	5.0	1.7	7.8	61.8
1967 .....	100.0	37.5	13.4	3.8	.9	4.3	5.2	1.9	8.0	62.5
1968 .....	100.0	36.5	13.3	3.4	.8	4.1	5.0	2.0	7.9	63.5
1969 .....	100.0	36.3	12.4	3.4	.8	4.2	4.9	2.1	8.2	63.7
1970 .....	100.0	34.9	12.2	3.2	.8	4.2	4.5	2.0	8.0	65.1
1971 .....	100.0	33.3	11.7	3.2	.8	3.7	4.0	2.0	7.9	66.7
1972 .....	100.0	32.5	11.0	2.8	.8	3.6	4.0	2.2	8.1	67.5
1973 .....	100.0	32.4	10.5	2.6	.8	3.5	4.1	2.3	8.5	67.6
1974 .....	100.0	31.3	9.4	2.3	.9	3.4	4.2	2.5	8.6	68.7
1975 .....	100.0	30.5	9.1	2.2	.8	3.0	4.2	2.5	8.6	69.5
1976 .....	100.0	29.8	9.2	2.0	.8	2.8	4.0	2.5	8.4	70.2
1977 .....	100.0	30.3	9.1	1.8	.9	2.8	4.3	2.6	8.9	69.7
1978 .....	100.0	30.9	9.4	1.9	1.0	2.9	4.3	2.4	9.0	69.1
1979 .....	100.0	30.3	9.3	1.9	1.0	2.9	4.4	2.4	8.4	69.7
1980 .....	100.0	30.4	9.8	1.8	1.0	3.1	4.3	2.2	8.2	69.6
1981 .....	100.0	30.9	10.3	1.8	1.0	3.4	4.1	2.3	8.0	69.1
1982 .....	100.0	31.9	11.0	1.9	1.1	3.7	4.0	2.2	8.0	68.1
1983 .....	100.0	32.2	11.8	1.8	1.0	3.9	3.9	2.2	7.5	67.8
1984 .....	100.0	32.7	12.5	1.9	1.1	4.3	3.7	2.1	7.2	67.3
1985 .....	100.0	33.6	13.0	1.9	1.1	4.8	3.4	2.1	7.1	66.4
1986 .....	100.0	33.8	13.0	1.9	1.2	5.4	3.3	2.0	7.0	66.2
1987 .....	100.0	34.4	13.6	1.9	1.1	5.7	3.1	2.0	7.0	65.6
1988 .....	100.0	34.3	13.7	1.9	1.0	6.0	3.0	1.8	6.9	65.7
1989 .....	100.0	34.0	13.8	1.9	.9	5.9	2.8	1.9	6.8	66.0
1990 .....	100.0	33.3	13.5	1.8	.8	6.0	2.6	2.0	6.7	66.7
1991 .....	100.0	32.1	13.2	1.7	.7	5.6	2.5	1.9	6.6	67.9
1992 .....	100.0	32.1	13.2	1.7	.7	5.7	2.6	1.8	6.5	67.9
1993 .....	100.0	32.7	13.9	1.6	.6	5.8	2.6	1.7	6.5	67.3
1994 .....	100.0	32.8	13.7	1.7	.6	5.7	2.6	1.9	6.6	67.2
1995 .....	100.0	32.7	13.4	1.7	.6	5.7	2.6	2.1	6.7	67.3
1996 .....	100.0	32.1	12.8	1.6	.6	5.5	2.9	2.0	6.6	67.9
1997 .....	100.0	30.4	11.7	1.5	.5	5.3	2.9	2.0	6.4	69.6
1998 .....	100.0	29.9	11.3	1.4	.5	5.6	2.8	1.9	6.3	70.1

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 16. Master's degrees awarded to women, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	47,588	5,469	76	483	45	1,018	1,219	798	1,830	42,119
1967 .....	54,713	6,306	78	498	55	1,310	1,353	927	2,085	48,407
1968 .....	63,401	7,209	99	564	71	1,361	1,631	1,011	2,472	56,192
1969 .....	72,533	8,200	113	579	89	1,566	1,766	1,154	2,933	64,333
1970 .....	83,241	9,722	169	722	125	1,809	1,964	1,478	3,455	73,519
1971 .....	92,896	10,338	186	736	116	1,688	2,058	1,651	3,903	82,558
1972 .....	102,689	11,328	271	736	152	1,777	2,186	2,033	4,173	91,361
1973 .....	109,525	11,813	278	669	176	1,730	2,108	2,367	4,485	97,712
1974 .....	119,915	12,711	347	690	197	1,793	2,233	2,630	4,821	107,204
1975 .....	131,536	13,788	372	653	194	1,766	2,275	3,045	5,483	117,748
1976 .....	145,256	15,015	568	605	220	1,690	2,471	3,671	5,790	130,241
1977 .....	150,031	16,498	698	660	226	1,766	2,841	4,004	6,303	133,533
1978 .....	151,108	17,230	843	653	290	1,717	3,020	4,263	6,444	133,878
1979 .....	148,303	17,612	937	679	310	1,632	3,231	4,343	6,480	130,691
1980 .....	147,936	18,085	1,123	638	336	1,800	3,129	4,464	6,595	129,851
1981 .....	149,367	18,861	1,329	675	406	1,848	3,046	4,668	6,889	130,506
1982 .....	150,639	20,011	1,575	747	452	2,220	3,303	4,621	7,093	130,628
1983 .....	145,817	20,999	1,755	685	444	2,493	3,433	5,185	7,004	124,818
1984 .....	141,464	21,533	2,100	846	465	2,775	3,399	5,093	6,855	119,931
1985 .....	143,497	22,331	2,244	830	521	3,053	3,327	5,417	6,939	121,166
1986 .....	145,897	23,219	2,400	913	517	3,530	3,344	5,426	7,089	122,678
1987 .....	148,877	23,844	2,770	890	520	3,797	3,338	5,327	7,202	125,033
1988 .....	154,688	23,835	2,808	891	487	3,841	3,244	5,326	7,238	130,853
1989 .....	161,651	25,580	3,082	1,040	482	3,996	3,313	5,838	7,829	136,071
1990 .....	170,922	26,558	3,269	1,051	378	4,151	3,447	6,283	7,979	144,364
1991 .....	181,603	27,927	3,357	1,074	383	4,247	3,431	6,808	8,627	153,676
1992 .....	191,908	28,950	3,669	1,088	368	4,121	3,658	6,923	9,123	162,958
1993 .....	201,220	30,971	4,094	1,171	391	4,327	3,731	7,484	9,773	170,249
1994 .....	212,246	33,441	4,423	1,233	424	4,222	4,171	8,285	10,683	178,805
1995 .....	220,230	35,791	4,632	1,283	451	4,365	4,329	9,397	11,334	184,439
1996 .....	228,572	37,453	4,752	1,450	436	4,356	5,048	9,373	12,038	191,119
1997 .....	239,497	38,262	4,695	1,333	487	4,468	5,213	9,918	12,148	201,235
1998 .....	246,810	38,583	5,163	1,440	494	4,884	5,063	9,540	11,999	208,227

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 17. Percentage distribution of master's degrees awarded to women, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	11.5	0.2	1.0	0.1	2.1	2.6	1.7	3.8	88.5
1967 .....	100.0	11.5	.1	.9	.1	2.4	2.5	1.7	3.8	88.5
1968 .....	100.0	11.4	.2	.9	.1	2.1	2.6	1.6	3.9	88.6
1969 .....	100.0	11.3	.2	.8	.1	2.2	2.4	1.6	4.0	88.7
1970 .....	100.0	11.7	.2	.9	.2	2.2	2.4	1.8	4.2	88.3
1971 .....	100.0	11.1	.2	.8	.1	1.8	2.2	1.8	4.2	88.9
1972 .....	100.0	11.0	.3	.7	.1	1.7	2.1	2.0	4.1	89.0
1973 .....	100.0	10.8	.3	.6	.2	1.6	1.9	2.2	4.1	89.2
1974 .....	100.0	10.6	.3	.6	.2	1.5	1.9	2.2	4.0	89.4
1975 .....	100.0	10.5	.3	.5	.1	1.3	1.7	2.3	4.2	89.5
1976 .....	100.0	10.3	.4	.4	.2	1.2	1.7	2.5	4.0	89.7
1977 .....	100.0	11.0	.5	.4	.2	1.2	1.9	2.7	4.2	89.0
1978 .....	100.0	11.4	.6	.4	.2	1.1	2.0	2.8	4.3	88.6
1979 .....	100.0	11.9	.6	.5	.2	1.1	2.2	2.9	4.4	88.1
1980 .....	100.0	12.2	.8	.4	.2	1.2	2.1	3.0	4.5	87.8
1981 .....	100.0	12.6	.9	.5	.3	1.2	2.0	3.1	4.6	87.4
1982 .....	100.0	13.3	1.0	.5	.3	1.5	2.2	3.1	4.7	86.7
1983 .....	100.0	14.4	1.2	.5	.3	1.7	2.4	3.6	4.8	85.6
1984 .....	100.0	15.2	1.5	.6	.3	2.0	2.4	3.6	4.8	84.8
1985 .....	100.0	15.6	1.6	.6	.4	2.1	2.3	3.8	4.8	84.4
1986 .....	100.0	15.9	1.6	.6	.4	2.4	2.3	3.7	4.9	84.1
1987 .....	100.0	16.0	1.9	.6	.3	2.6	2.2	3.6	4.8	84.0
1988 .....	100.0	15.4	1.8	.6	.3	2.5	2.1	3.4	4.7	84.6
1989 .....	100.0	15.8	1.9	.6	.3	2.5	2.0	3.6	4.8	84.2
1990 .....	100.0	15.5	1.9	.6	.2	2.4	2.0	3.7	4.7	84.5
1991 .....	100.0	15.4	1.8	.6	.2	2.3	1.9	3.7	4.8	84.6
1992 .....	100.0	15.1	1.9	.6	.2	2.1	1.9	3.6	4.8	84.9
1993 .....	100.0	15.4	2.0	.6	.2	2.2	1.9	3.7	4.9	84.6
1994 .....	100.0	15.8	2.1	.6	.2	2.0	2.0	3.9	5.0	84.2
1995 .....	100.0	16.3	2.1	.6	.2	2.0	2.0	4.3	5.1	83.7
1996 .....	100.0	16.4	2.1	.6	.2	1.9	2.2	4.1	5.3	83.6
1997 .....	100.0	16.0	2.0	.6	.2	1.9	2.2	4.1	5.1	84.0
1998 .....	100.0	15.6	2.1	.6	.2	2.0	2.1	3.9	4.9	84.4

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 18. Women as a percentage of all master's degree recipients, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	33.8	13.3	0.6	11.5	5.9	20.3	20.8	32.9	20.2	42.2
1967 .....	34.7	14.0	.6	11.3	5.7	22.9	20.2	32.0	20.1	42.9
1968 .....	35.8	14.8	.6	12.7	7.0	22.4	22.3	31.2	21.6	43.8
1969 .....	37.3	15.7	.7	12.2	7.9	23.3	22.6	30.9	22.6	45.3
1970 .....	39.8	18.1	1.1	15.1	11.1	25.5	25.8	37.3	25.6	47.2
1971 .....	40.1	18.3	1.1	14.4	9.5	24.9	27.1	37.2	26.2	47.2
1972 .....	40.6	18.9	1.6	15.1	10.8	24.7	26.7	38.4	25.5	47.4
1973 .....	41.4	19.0	1.7	14.0	12.0	24.2	24.8	40.2	25.3	48.3
1974 .....	43.1	20.4	2.3	15.8	11.7	25.2	25.2	39.8	26.2	49.6
1975 .....	44.8	21.8	2.5	15.2	12.9	26.6	25.2	42.9	28.2	51.1
1976 .....	46.4	23.1	3.5	15.6	13.9	26.1	26.8	46.7	29.0	52.5
1977 .....	47.1	24.5	4.4	18.1	13.6	27.2	28.2	48.1	29.7	53.2
1978 .....	48.3	25.6	5.2	17.6	15.8	26.7	30.2	52.0	30.7	54.5
1979 .....	49.1	27.4	6.1	18.6	17.4	26.7	32.3	54.1	33.5	54.9
1980 .....	49.5	28.2	7.0	18.7	18.7	27.6	32.5	56.8	34.8	55.3
1981 .....	50.3	29.3	8.1	20.1	21.6	27.2	33.4	58.1	36.8	56.1
1982 .....	50.8	30.1	9.0	21.4	22.5	29.0	35.9	58.9	37.7	56.8
1983 .....	50.1	31.0	9.3	20.9	22.7	30.5	37.6	61.4	39.2	55.9
1984 .....	49.6	31.4	10.4	23.9	23.5	31.0	39.1	63.1	39.9	55.3
1985 .....	50.0	31.6	10.7	23.0	24.1	30.5	40.5	63.9	40.5	55.9
1986 .....	50.3	32.3	11.4	25.0	23.1	31.4	41.7	64.9	41.2	56.3
1987 .....	51.2	32.8	12.6	24.9	25.4	32.2	42.9	65.2	42.0	57.4
1988 .....	51.5	32.4	12.4	24.0	25.4	30.5	42.9	67.2	42.0	57.8
1989 .....	52.0	33.5	13.0	26.8	26.5	31.1	44.0	67.5	43.5	58.0
1990 .....	52.6	34.1	13.6	27.6	23.7	31.1	45.8	67.5	43.8	58.4
1991 .....	53.6	35.6	14.0	28.4	25.6	32.8	46.3	69.5	45.6	59.1
1992 .....	54.2	35.7	14.7	27.7	25.8	30.9	46.4	70.3	46.3	59.7
1993 .....	54.2	35.8	14.8	29.5	28.0	30.7	46.0	71.9	47.0	59.8
1994 .....	54.6	36.6	15.4	28.9	29.9	29.4	48.0	71.6	47.7	60.1
1995 .....	55.1	38.0	16.2	30.3	30.4	30.1	47.7	71.6	48.7	60.4
1996 .....	55.9	39.3	17.1	33.2	29.3	30.3	49.0	71.9	50.2	60.9
1997 .....	56.9	40.9	18.1	32.2	33.9	31.7	49.5	72.7	51.1	61.5
1998 .....	57.1	41.1	19.8	36.3	34.6	32.0	49.5	72.6	50.6	61.6

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 19. Doctoral degrees awarded, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	17,949	11,570	2,301	2,655	404	769	2,711	1,139	1,591	6,379
1967 .....	20,403	13,109	2,607	3,085	415	830	2,966	1,295	1,911	7,294
1968 .....	22,937	14,645	2,864	3,239	434	971	3,511	1,464	2,162	8,292
1969 .....	25,743	16,288	3,276	3,428	496	1,070	3,815	1,766	2,437	9,455
1970 .....	29,498	18,052	3,446	3,893	498	1,225	4,165	1,890	2,935	11,446
1971 .....	31,867	19,381	3,514	3,949	536	1,238	4,557	2,145	3,442	12,486
1972 .....	33,041	19,342	3,509	3,653	598	1,281	4,454	2,279	3,568	13,699
1973 .....	33,755	19,373	3,374	3,444	624	1,233	4,503	2,458	3,737	14,382
1974 .....	33,047	18,714	3,161	3,136	615	1,211	4,304	2,598	3,689	14,333
1975 .....	32,952	18,799	3,011	3,076	625	1,147	4,402	2,751	3,787	14,153
1976 .....	32,946	18,472	2,838	2,861	641	1,003	4,361	2,883	3,885	14,474
1977 .....	31,716	18,008	2,648	2,721	689	964	4,266	2,990	3,730	13,708
1978 .....	30,875	17,653	2,425	2,611	621	959	4,369	3,055	3,613	13,222
1979 .....	31,239	17,872	2,494	2,674	642	979	4,501	3,091	3,491	13,367
1980 .....	31,020	17,775	2,479	2,521	628	962	4,715	3,098	3,372	13,245
1981 .....	31,356	18,257	2,528	2,627	583	960	4,785	3,358	3,416	13,099
1982 .....	31,111	18,275	2,646	2,694	657	940	4,844	3,159	3,335	12,836
1983 .....	31,281	18,635	2,781	2,814	624	987	4,756	3,347	3,326	12,646
1984 .....	31,337	18,748	2,913	2,851	608	993	4,877	3,257	3,249	12,589
1985 .....	31,297	18,935	3,166	2,934	599	998	4,903	3,118	3,217	12,362
1986 .....	31,902	19,437	3,376	3,120	559	1,128	4,804	3,126	3,324	12,465
1987 .....	32,370	19,894	3,712	3,238	602	1,190	4,815	3,173	3,164	12,476
1988 .....	33,500	20,932	4,187	3,350	695	1,264	5,126	3,074	3,236	12,568
1989 .....	34,327	21,732	4,543	3,261	723	1,471	5,202	3,208	3,324	12,595
1990 .....	36,067	22,868	4,894	3,524	738	1,597	5,502	3,281	3,332	13,199
1991 .....	37,534	24,023	5,214	3,626	815	1,839	5,723	3,250	3,556	13,511
1992 .....	38,890	24,675	5,438	3,781	794	1,927	5,862	3,263	3,610	14,215
1993 .....	39,801	25,443	5,698	3,699	771	2,026	6,060	3,420	3,769	14,358
1994 .....	41,034	26,205	5,822	3,977	824	2,021	6,281	3,379	3,901	14,829
1995 .....	41,743	26,535	6,008	3,841	780	2,187	6,412	3,429	3,878	15,208
1996 .....	42,414	27,229	6,305	3,837	794	2,043	6,760	3,491	3,999	15,185
1997 .....	42,555	27,245	6,114	3,768	878	2,035	6,768	3,571	4,111	15,310
1998 .....	42,683	27,309	5,930	3,829	814	2,102	6,891	3,685	4,058	15,374

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from NSF/SRS: Survey of Earned Doctorates

**Table 20. Percentage distribution of doctoral degrees awarded, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	64.5	12.8	14.8	2.3	4.3	15.1	6.3	8.9	35.5
1967 .....	100.0	64.3	12.8	15.1	2.0	4.1	14.5	6.3	9.4	35.7
1968 .....	100.0	63.8	12.5	14.1	1.9	4.2	15.3	6.4	9.4	36.2
1969 .....	100.0	63.3	12.7	13.3	1.9	4.2	14.8	6.9	9.5	36.7
1970 .....	100.0	61.2	11.7	13.2	1.7	4.2	14.1	6.4	9.9	38.8
1971 .....	100.0	60.8	11.0	12.4	1.7	3.9	14.3	6.7	10.8	39.2
1972 .....	100.0	58.5	10.6	11.1	1.8	3.9	13.5	6.9	10.8	41.5
1973 .....	100.0	57.4	10.0	10.2	1.8	3.7	13.3	7.3	11.1	42.6
1974 .....	100.0	56.6	9.6	9.5	1.9	3.7	13.0	7.9	11.2	43.4
1975 .....	100.0	57.0	9.1	9.3	1.9	3.5	13.4	8.3	11.5	43.0
1976 .....	100.0	56.1	8.6	8.7	1.9	3.0	13.2	8.8	11.8	43.9
1977 .....	100.0	56.8	8.3	8.6	2.2	3.0	13.5	9.4	11.8	43.2
1978 .....	100.0	57.2	7.9	8.5	2.0	3.1	14.2	9.9	11.7	42.8
1979 .....	100.0	57.2	8.0	8.6	2.1	3.1	14.4	9.9	11.2	42.8
1980 .....	100.0	57.3	8.0	8.1	2.0	3.1	15.2	10.0	10.9	42.7
1981 .....	100.0	58.2	8.1	8.4	1.9	3.1	15.3	10.7	10.9	41.8
1982 .....	100.0	58.7	8.5	8.7	2.1	3.0	15.6	10.2	10.7	41.3
1983 .....	100.0	59.6	8.9	9.0	2.0	3.2	15.2	10.7	10.6	40.4
1984 .....	100.0	59.8	9.3	9.1	1.9	3.2	15.6	10.4	10.4	40.2
1985 .....	100.0	60.5	10.1	9.4	1.9	3.2	15.7	10.0	10.3	39.5
1986 .....	100.0	60.9	10.6	9.8	1.8	3.5	15.1	9.8	10.4	39.1
1987 .....	100.0	61.5	11.5	10.0	1.9	3.7	14.9	9.8	9.8	38.5
1988 .....	100.0	62.5	12.5	10.0	2.1	3.8	15.3	9.2	9.7	37.5
1989 .....	100.0	63.3	13.2	9.5	2.1	4.3	15.2	9.3	9.7	36.7
1990 .....	100.0	63.4	13.6	9.8	2.0	4.4	15.3	9.1	9.2	36.6
1991 .....	100.0	64.0	13.9	9.7	2.2	4.9	15.2	8.7	9.5	36.0
1992 .....	100.0	63.4	14.0	9.7	2.0	5.0	15.1	8.4	9.3	36.6
1993 .....	100.0	63.9	14.3	9.3	1.9	5.1	15.2	8.6	9.5	36.1
1994 .....	100.0	63.9	14.2	9.7	2.0	4.9	15.3	8.2	9.5	36.1
1995 .....	100.0	63.6	14.4	9.2	1.9	5.2	15.4	8.2	9.3	36.4
1996 .....	100.0	64.2	14.9	9.0	1.9	4.8	15.9	8.2	9.4	35.8
1997 .....	100.0	64.0	14.4	8.9	2.1	4.8	15.9	8.4	9.7	36.0
1998 .....	100.0	64.0	13.9	9.0	1.9	4.9	16.1	8.6	9.5	36.0

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from NSF/SRS: Survey of Earned Doctorates

**Table 21. Doctoral degrees awarded to men, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	15,863	10,646	2,293	2,535	392	722	2,386	894	1,424	5,217
1967 .....	17,961	12,013	2,598	2,930	409	782	2,565	1,030	1,699	5,948
1968 .....	20,005	13,328	2,852	3,064	423	924	3,028	1,131	1,906	6,677
1969 .....	22,355	14,781	3,266	3,242	476	1,014	3,277	1,350	2,156	7,574
1970 .....	25,527	16,404	3,430	3,666	483	1,148	3,627	1,446	2,604	9,123
1971 .....	27,271	17,385	3,498	3,718	523	1,142	3,897	1,615	2,992	9,886
1972 .....	27,754	17,191	3,487	3,404	576	1,185	3,781	1,670	3,088	10,563
1973 .....	27,670	16,853	3,328	3,209	597	1,113	3,714	1,741	3,151	10,817
1974 .....	26,594	16,043	3,127	2,902	581	1,096	3,524	1,797	3,016	10,551
1975 .....	25,751	15,870	2,959	2,812	595	1,038	3,553	1,878	3,035	9,881
1976 .....	25,262	15,375	2,783	2,617	579	890	3,508	1,937	3,061	9,887
1977 .....	23,858	14,775	2,574	2,477	630	837	3,423	1,902	2,932	9,083
1978 .....	22,553	14,199	2,372	2,364	560	828	3,411	1,928	2,736	8,354
1979 .....	22,302	14,128	2,432	2,382	584	833	3,470	1,831	2,596	8,174
1980 .....	21,612	13,814	2,389	2,199	564	846	3,565	1,787	2,464	7,798
1981 .....	21,464	14,056	2,429	2,318	527	822	3,564	1,885	2,511	7,408
1982 .....	21,018	13,925	2,522	2,337	554	824	3,552	1,721	2,415	7,093
1983 .....	20,748	13,920	2,657	2,441	529	838	3,390	1,750	2,315	6,828
1984 .....	20,638	13,956	2,762	2,452	502	841	3,529	1,626	2,244	6,682
1985 .....	20,553	14,044	2,968	2,467	491	859	3,494	1,577	2,188	6,509
1986 .....	20,595	14,270	3,151	2,610	464	959	3,352	1,527	2,207	6,325
1987 .....	20,938	14,582	3,470	2,710	490	1,000	3,284	1,475	2,153	6,356
1988 .....	21,680	15,269	3,901	2,783	560	1,087	3,435	1,392	2,111	6,411
1989 .....	21,814	15,623	4,168	2,642	575	1,208	3,433	1,408	2,189	6,191
1990 .....	22,960	16,498	4,479	2,863	597	1,329	3,641	1,368	2,221	6,462
1991 .....	23,525	16,986	4,703	2,934	631	1,515	3,724	1,249	2,230	6,539
1992 .....	24,235	17,422	4,860	2,986	600	1,588	3,776	1,328	2,284	6,813
1993 .....	24,384	17,568	5,097	2,880	602	1,602	3,750	1,322	2,315	6,816
1994 .....	25,059	18,165	5,150	3,128	635	1,641	3,903	1,273	2,435	6,894
1995 .....	25,159	18,117	5,270	2,944	608	1,727	3,936	1,246	2,386	7,042
1996 .....	25,274	18,445	5,485	2,968	614	1,657	4,041	1,160	2,520	6,829
1997 .....	24,944	18,084	5,313	2,892	662	1,597	3,975	1,165	2,480	6,860
1998 .....	24,659	17,833	5,118	2,883	592	1,635	4,039	1,210	2,356	6,826

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from NSF/SRS: Survey of Earned Doctorates

**Table 22. Percentage distribution of doctoral degrees awarded to men, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	67.1	14.5	16.0	2.5	4.6	15.0	5.6	9.0	32.9
1967 .....	100.0	66.9	14.5	16.3	2.3	4.4	14.3	5.7	9.5	33.1
1968 .....	100.0	66.6	14.3	15.3	2.1	4.6	15.1	5.7	9.5	33.4
1969 .....	100.0	66.1	14.6	14.5	2.1	4.5	14.7	6.0	9.6	33.9
1970 .....	100.0	64.3	13.4	14.4	1.9	4.5	14.2	5.7	10.2	35.7
1971 .....	100.0	63.7	12.8	13.6	1.9	4.2	14.3	5.9	11.0	36.3
1972 .....	100.0	61.9	12.6	12.3	2.1	4.3	13.6	6.0	11.1	38.1
1973 .....	100.0	60.9	12.0	11.6	2.2	4.0	13.4	6.3	11.4	39.1
1974 .....	100.0	60.3	11.8	10.9	2.2	4.1	13.3	6.8	11.3	39.7
1975 .....	100.0	61.6	11.5	10.9	2.3	4.0	13.8	7.3	11.8	38.4
1976 .....	100.0	60.9	11.0	10.4	2.3	3.5	13.9	7.7	12.1	39.1
1977 .....	100.0	61.9	10.8	10.4	2.6	3.5	14.3	8.0	12.3	38.1
1978 .....	100.0	63.0	10.5	10.5	2.5	3.7	15.1	8.5	12.1	37.0
1979 .....	100.0	63.3	10.9	10.7	2.6	3.7	15.6	8.2	11.6	36.7
1980 .....	100.0	63.9	11.1	10.2	2.6	3.9	16.5	8.3	11.4	36.1
1981 .....	100.0	65.5	11.3	10.8	2.5	3.8	16.6	8.8	11.7	34.5
1982 .....	100.0	66.3	12.0	11.1	2.6	3.9	16.9	8.2	11.5	33.7
1983 .....	100.0	67.1	12.8	11.8	2.5	4.0	16.3	8.4	11.2	32.9
1984 .....	100.0	67.6	13.4	11.9	2.4	4.1	17.1	7.9	10.9	32.4
1985 .....	100.0	68.3	14.4	12.0	2.4	4.2	17.0	7.7	10.6	31.7
1986 .....	100.0	69.3	15.3	12.7	2.3	4.7	16.3	7.4	10.7	30.7
1987 .....	100.0	69.6	16.6	12.9	2.3	4.8	15.7	7.0	10.3	30.4
1988 .....	100.0	70.4	18.0	12.8	2.6	5.0	15.8	6.4	9.7	29.6
1989 .....	100.0	71.6	19.1	12.1	2.6	5.5	15.7	6.5	10.0	28.4
1990 .....	100.0	71.9	19.5	12.5	2.6	5.8	15.9	6.0	9.7	28.1
1991 .....	100.0	72.2	20.0	12.5	2.7	6.4	15.8	5.3	9.5	27.8
1992 .....	100.0	71.9	20.1	12.3	2.5	6.6	15.6	5.5	9.4	28.1
1993 .....	100.0	72.0	20.9	11.8	2.5	6.6	15.4	5.4	9.5	28.0
1994 .....	100.0	72.5	20.6	12.5	2.5	6.5	15.6	5.1	9.7	27.5
1995 .....	100.0	72.0	20.9	11.7	2.4	6.9	15.6	5.0	9.5	28.0
1996 .....	100.0	73.0	21.7	11.7	2.4	6.6	16.0	4.6	10.0	27.0
1997 .....	100.0	72.5	21.3	11.6	2.7	6.4	15.9	4.7	9.9	27.5
1998 .....	100.0	72.3	20.8	11.7	2.4	6.6	16.4	4.9	9.6	27.7

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from NSF/SRS: Survey of Earned Doctorates

**Table 23. Doctoral degrees awarded to women, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	2,086	924	8	120	12	47	325	245	167	1,162
1967 .....	2,442	1,096	9	155	6	48	401	265	212	1,346
1968 .....	2,932	1,317	12	175	11	47	483	333	256	1,615
1969 .....	3,388	1,507	10	186	20	56	538	416	281	1,881
1970 .....	3,971	1,648	16	227	15	77	538	444	331	2,323
1971 .....	4,596	1,996	16	231	13	96	660	530	450	2,600
1972 .....	5,287	2,151	22	249	22	96	673	609	480	3,136
1973 .....	6,085	2,520	46	235	27	120	789	717	586	3,565
1974 .....	6,453	2,671	34	234	34	115	780	801	673	3,782
1975 .....	7,201	2,929	52	264	30	109	849	873	752	4,272
1976 .....	7,684	3,097	55	244	62	113	853	946	824	4,587
1977 .....	7,858	3,233	74	244	59	127	843	1,088	798	4,625
1978 .....	8,322	3,454	53	247	61	131	958	1,127	877	4,868
1979 .....	8,937	3,744	62	292	58	146	1,031	1,260	895	5,193
1980 .....	9,408	3,961	90	322	64	116	1,150	1,311	908	5,447
1981 .....	9,892	4,201	99	309	56	138	1,221	1,473	905	5,691
1982 .....	10,093	4,350	124	357	103	116	1,292	1,438	920	5,743
1983 .....	10,533	4,715	124	373	95	149	1,366	1,597	1,011	5,818
1984 .....	10,699	4,792	151	399	106	152	1,348	1,631	1,005	5,907
1985 .....	10,744	4,891	198	467	108	139	1,409	1,541	1,029	5,853
1986 .....	11,307	5,167	225	510	95	169	1,452	1,599	1,117	6,140
1987 .....	11,432	5,312	242	528	112	190	1,531	1,698	1,011	6,120
1988 .....	11,819	5,662	286	567	135	177	1,691	1,681	1,125	6,157
1989 .....	12,513	6,109	375	619	148	263	1,769	1,800	1,135	6,404
1990 .....	13,106	6,370	415	661	141	268	1,861	1,913	1,111	6,736
1991 .....	13,873	6,932	467	679	179	316	1,982	1,996	1,313	6,941
1992 .....	14,436	7,080	506	770	188	325	2,064	1,928	1,299	7,356
1993 .....	15,122	7,652	522	780	160	402	2,278	2,088	1,422	7,470
1994 .....	15,820	7,921	635	828	183	373	2,358	2,101	1,443	7,899
1995 .....	16,414	8,286	696	878	170	451	2,445	2,180	1,466	8,128
1996 .....	16,944	8,646	776	842	172	370	2,697	2,328	1,461	8,298
1997 .....	17,251	8,943	751	852	210	413	2,754	2,372	1,591	8,308
1998 .....	17,858	9,355	773	927	219	456	2,836	2,460	1,684	8,503

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from NSF/SRS: Survey of Earned Doctorates

**Table 24. Percentage distribution of doctoral degrees awarded to women, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	100.0	44.3	0.4	5.8	0.6	2.3	15.6	11.7	8.0	55.7
1967 .....	100.0	44.9	.4	6.3	.2	2.0	16.4	10.9	8.7	55.1
1968 .....	100.0	44.9	.4	6.0	.4	1.6	16.5	11.4	8.7	55.1
1969 .....	100.0	44.5	.3	5.5	.6	1.7	15.9	12.3	8.3	55.5
1970 .....	100.0	41.5	.4	5.7	.4	1.9	13.5	11.2	8.3	58.5
1971 .....	100.0	43.4	.3	5.0	.3	2.1	14.4	11.5	9.8	56.6
1972 .....	100.0	40.7	.4	4.7	.4	1.8	12.7	11.5	9.1	59.3
1973 .....	100.0	41.4	.8	3.9	.4	2.0	13.0	11.8	9.6	58.6
1974 .....	100.0	41.4	.5	3.6	.5	1.8	12.1	12.4	10.4	58.6
1975 .....	100.0	40.7	.7	3.7	.4	1.5	11.8	12.1	10.4	59.3
1976 .....	100.0	40.3	.7	3.2	.8	1.5	11.1	12.3	10.7	59.7
1977 .....	100.0	41.1	.9	3.1	.8	1.6	10.7	13.8	10.2	58.9
1978 .....	100.0	41.5	.6	3.0	.7	1.6	11.5	13.5	10.5	58.5
1979 .....	100.0	41.9	.7	3.3	.6	1.6	11.5	14.1	10.0	58.1
1980 .....	100.0	42.1	1.0	3.4	.7	1.2	12.2	13.9	9.7	57.9
1981 .....	100.0	42.5	1.0	3.1	.6	1.4	12.3	14.9	9.1	57.5
1982 .....	100.0	43.1	1.2	3.5	1.0	1.1	12.8	14.2	9.1	56.9
1983 .....	100.0	44.8	1.2	3.5	.9	1.4	13.0	15.2	9.6	55.2
1984 .....	100.0	44.8	1.4	3.7	1.0	1.4	12.6	15.2	9.4	55.2
1985 .....	100.0	45.5	1.8	4.3	1.0	1.3	13.1	14.3	9.6	54.5
1986 .....	100.0	45.7	2.0	4.5	.8	1.5	12.8	14.1	9.9	54.3
1987 .....	100.0	46.5	2.1	4.6	1.0	1.7	13.4	14.9	8.8	53.5
1988 .....	100.0	47.9	2.4	4.8	1.1	1.5	14.3	14.2	9.5	52.1
1989 .....	100.0	48.8	3.0	4.9	1.2	2.1	14.1	14.4	9.1	51.2
1990 .....	100.0	48.6	3.2	5.0	1.1	2.0	14.2	14.6	8.5	51.4
1991 .....	100.0	50.0	3.4	4.9	1.3	2.3	14.3	14.4	9.5	50.0
1992 .....	100.0	49.0	3.5	5.3	1.3	2.3	14.3	13.4	9.0	51.0
1993 .....	100.0	50.6	3.5	5.2	1.1	2.7	15.1	13.8	9.4	49.4
1994 .....	100.0	50.1	4.0	5.2	1.2	2.4	14.9	13.3	9.1	49.9
1995 .....	100.0	50.5	4.2	5.3	1.0	2.7	14.9	13.3	8.9	49.5
1996 .....	100.0	51.0	4.6	5.0	1.0	2.2	15.9	13.7	8.6	49.0
1997 .....	100.0	51.8	4.4	4.9	1.2	2.4	16.0	13.7	9.2	48.2
1998 .....	100.0	52.4	4.3	5.2	1.2	2.6	15.9	13.8	9.4	47.6

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from NSF/SRS: Survey of Earned Doctorates

**Table 25. Women as a percentage of all doctorate recipients, by major field group: 1966-1998**

Academic year ending	All fields	Science & engineering fields								Non-S&E fields
		Total	Engineering	Physical sciences	Earth, atmos., & ocean sciences	Mathematical/computer sciences	Biological/agricultural sciences	Psychology	Social sciences	
1966 .....	11.6	8.0	0.3	4.5	3.0	6.1	12.0	21.5	10.5	18.2
1967 .....	12.0	8.4	.3	5.0	1.4	5.8	13.5	20.5	11.1	18.5
1968 .....	12.8	9.0	.4	5.4	2.5	4.8	13.8	22.7	11.8	19.5
1969 .....	13.2	9.3	.3	5.4	4.0	5.2	14.1	23.6	11.5	19.9
1970 .....	13.5	9.1	.5	5.8	3.0	6.3	12.9	23.5	11.3	20.3
1971 .....	14.4	10.3	.5	5.8	2.4	7.8	14.5	24.7	13.1	20.8
1972 .....	16.0	11.1	.6	6.8	3.7	7.5	15.1	26.7	13.5	22.9
1973 .....	18.0	13.0	1.4	6.8	4.3	9.7	17.5	29.2	15.7	24.8
1974 .....	19.5	14.3	1.1	7.5	5.5	9.5	18.1	30.8	18.2	26.4
1975 .....	21.9	15.6	1.7	8.6	4.8	9.5	19.3	31.7	19.9	30.2
1976 .....	23.3	16.8	1.9	8.5	9.7	11.3	19.6	32.8	21.2	31.7
1977 .....	24.8	18.0	2.8	9.0	8.6	13.2	19.8	36.4	21.4	33.7
1978 .....	27.0	19.6	2.2	9.5	9.8	13.7	21.9	36.9	24.3	36.8
1979 .....	28.6	20.9	2.5	10.9	9.0	14.9	22.9	40.8	25.6	38.8
1980 .....	30.3	22.3	3.6	12.8	10.2	12.1	24.4	42.3	26.9	41.1
1981 .....	31.5	23.0	3.9	11.8	9.6	14.4	25.5	43.9	26.5	43.4
1982 .....	32.4	23.8	4.7	13.3	15.7	12.3	26.7	45.5	27.6	44.7
1983 .....	33.7	25.3	4.5	13.3	15.2	15.1	28.7	47.7	30.4	46.0
1984 .....	34.1	25.6	5.2	14.0	17.4	15.3	27.6	50.1	30.9	46.9
1985 .....	34.3	25.8	6.3	15.9	18.0	13.9	28.7	49.4	32.0	47.3
1986 .....	35.4	26.6	6.7	16.3	17.0	15.0	30.2	51.2	33.6	49.3
1987 .....	35.3	26.7	6.5	16.3	18.6	16.0	31.8	53.5	32.0	49.1
1988 .....	35.3	27.0	6.8	16.9	19.4	14.0	33.0	54.7	34.8	49.0
1989 .....	36.5	28.1	8.3	19.0	20.5	17.9	34.0	56.1	34.1	50.8
1990 .....	36.3	27.9	8.5	18.8	19.1	16.8	33.8	58.3	33.3	51.0
1991 .....	37.0	28.9	9.0	18.7	22.0	17.2	34.6	61.4	36.9	51.4
1992 .....	37.1	28.7	9.3	20.4	23.7	16.9	35.2	59.1	36.0	51.7
1993 .....	38.0	30.1	9.2	21.1	20.8	19.8	37.6	61.1	37.7	52.0
1994 .....	38.6	30.2	10.9	20.8	22.2	18.5	37.5	62.2	37.0	53.3
1995 .....	39.3	31.2	11.6	22.9	21.8	20.6	38.1	63.6	37.8	53.4
1996 .....	39.9	31.8	12.3	21.9	21.7	18.1	39.9	66.7	36.5	54.6
1997 .....	40.5	32.8	12.3	22.6	23.9	20.3	40.7	66.4	38.7	54.3
1998 .....	41.8	34.3	13.0	24.2	26.9	21.7	41.2	66.8	41.5	55.3

**NOTE:** See section C for specific fields that are included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from NSF/SRS: Survey of Earned Doctorates

**Table 26. Engineering degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	35,826	35,680	146	13,705	13,629	76	2,301	2,293	8
1967 .....	36,197	36,013	184	13,921	13,843	78	2,607	2,598	9
1968 .....	37,680	37,464	216	15,232	15,133	99	2,864	2,852	12
1969 .....	41,582	41,270	312	15,248	15,135	113	3,276	3,266	10
1970 .....	44,770	44,433	337	15,597	15,428	169	3,446	3,430	16
1971 .....	45,248	44,887	361	16,367	16,181	186	3,514	3,498	16
1972 .....	45,711	45,219	492	16,764	16,493	271	3,509	3,487	22
1973 .....	46,779	46,203	576	16,545	16,267	278	3,374	3,328	46
1974 .....	43,248	42,550	698	15,205	14,858	347	3,161	3,127	34
1975 .....	39,824	38,979	845	15,167	14,795	372	3,011	2,959	52
1976 .....	38,790	37,473	1,317	16,045	15,477	568	2,838	2,783	55
1977 .....	41,357	39,313	2,044	16,012	15,314	698	2,648	2,574	74
1978 .....	47,251	43,769	3,482	16,080	15,237	843	2,425	2,372	53
1979 .....	53,469	48,588	4,881	15,279	14,342	937	2,494	2,432	62
1980 .....	58,810	52,858	5,952	15,943	14,820	1,123	2,479	2,389	90
1981 .....	63,717	56,654	7,063	16,451	15,122	1,329	2,528	2,429	99
1982 .....	67,460	59,185	8,275	17,557	15,982	1,575	2,646	2,522	124
1983 .....	72,670	63,018	9,652	18,886	17,131	1,755	2,781	2,657	124
1984 .....	76,153	65,424	10,729	20,145	18,045	2,100	2,913	2,762	151
1985 .....	77,572	66,326	11,246	20,972	18,728	2,244	3,166	2,968	198
1986 .....	76,820	65,682	11,138	21,096	18,696	2,400	3,376	3,151	225
1987 .....	74,425	63,021	11,404	22,070	19,300	2,770	3,712	3,470	242
1988 .....	70,154	59,375	10,779	22,726	19,918	2,808	4,187	3,901	286
1989 .....	66,947	56,759	10,188	23,743	20,661	3,082	4,543	4,168	375
1990 .....	64,705	54,732	9,973	23,995	20,726	3,269	4,894	4,479	415
1991 .....	62,187	52,522	9,665	24,013	20,656	3,357	5,214	4,703	467
1992 .....	61,941	52,305	9,636	25,018	21,349	3,669	5,438	4,860	506
1993 .....	62,705	52,724	9,981	27,664	23,570	4,094	5,698	5,097	522
1994 .....	63,012	52,609	10,403	28,717	24,294	4,423	5,822	5,150	635
1995 .....	63,371	52,421	10,950	28,630	23,998	4,632	6,008	5,270	696
1996 .....	63,114	51,798	11,316	27,761	23,009	4,752	6,305	5,485	776
1997 .....	62,352	50,882	11,470	25,874	21,179	4,695	6,114	5,313	751
1998 .....	60,914	49,575	11,339	26,138	20,975	5,163	5,930	5,118	773

**NOTES:** See section C for specific fields that are included in this field of study.

For data on Engineering Technologies, see table 56.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 27. Aeronautical/astronautical engineering degrees awarded,  
by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	1,683	1,678	5	798	792	6	109	109	0
1967 .....	1,914	1,900	14	802	800	2	142	142	0
1968 .....	2,072	2,060	12	841	835	6	166	165	1
1969 .....	2,625	2,606	19	835	828	7	197	197	0
1970 .....	2,756	2,736	20	749	746	3	204	202	2
1971 .....	2,443	2,426	17	717	711	6	198	195	3
1972 .....	2,180	2,160	20	687	680	7	181	181	0
1973 .....	1,738	1,720	18	563	561	2	167	165	2
1974 .....	1,210	1,192	18	557	548	9	148	145	3
1975 .....	1,174	1,150	24	477	470	7	141	139	2
1976 .....	1,009	980	29	479	469	10	122	122	0
1977 .....	1,078	1,050	28	385	377	8	115	112	3
1978 .....	1,186	1,125	61	411	400	11	103	102	1
1979 .....	1,386	1,320	66	372	355	17	81	81	0
1980 .....	1,424	1,342	82	382	373	9	81	80	1
1981 .....	1,809	1,680	129	408	388	20	97	97	0
1982 .....	2,120	1,949	171	521	482	39	86	85	1
1983 .....	2,127	1,955	172	491	454	37	106	104	2
1984 .....	2,534	2,359	175	562	535	27	119	117	2
1985 .....	2,854	2,613	241	605	574	31	124	119	5
1986 .....	2,902	2,654	248	621	578	43	118	117	1
1987 .....	2,989	2,741	248	737	682	55	142	132	10
1988 .....	3,092	2,794	298	797	734	63	150	141	9
1989 .....	2,944	2,643	301	855	791	64	178	170	8
1990 .....	3,048	2,705	343	1,029	947	82	192	188	4
1991 .....	2,869	2,545	324	941	855	86	207	198	7
1992 .....	2,996	2,658	338	933	850	83	234	217	8
1993 .....	2,735	2,419	316	1,047	941	106	228	218	8
1994 .....	2,330	2,035	295	1,038	938	100	230	219	11
1995 .....	1,771	1,541	230	821	722	99	252	237	14
1996 .....	1,642	1,395	247	774	682	92	287	262	24
1997 .....	1,290	1,088	202	625	550	75	273	254	16
1998 .....	1,247	1,050	197	584	503	81	243	227	15

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Eamed Doctorates

**Table 28. Chemical engineering degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	2,981	2,958	23	1,072	1,065	7	367	365	2
1967 .....	2,997	2,969	28	1,028	1,021	7	330	327	3
1968 .....	3,395	3,365	30	1,251	1,237	14	377	374	3
1969 .....	3,768	3,715	53	1,227	1,216	11	422	419	3
1970 .....	3,995	3,938	57	1,127	1,109	18	457	454	3
1971 .....	3,907	3,843	64	1,200	1,173	27	407	403	4
1972 .....	3,967	3,887	80	1,259	1,230	29	391	389	2
1973 .....	3,968	3,874	94	1,139	1,117	22	424	420	4
1974 .....	3,826	3,706	120	1,111	1,080	31	418	409	9
1975 .....	3,420	3,273	147	1,078	1,051	27	396	391	5
1976 .....	3,543	3,254	289	1,129	1,088	41	335	327	8
1977 .....	3,986	3,534	452	1,179	1,110	69	329	319	10
1978 .....	5,205	4,453	752	1,335	1,245	90	282	277	5
1979 .....	6,442	5,387	1,055	1,276	1,156	120	315	306	9
1980 .....	7,276	5,989	1,287	1,393	1,249	144	316	302	14
1981 .....	7,639	6,274	1,365	1,406	1,230	176	317	306	11
1982 .....	8,059	6,447	1,612	1,409	1,222	187	333	314	19
1983 .....	8,550	6,761	1,789	1,545	1,369	176	392	369	23
1984 .....	9,192	7,115	2,077	1,798	1,590	208	409	382	27
1985 .....	8,941	6,848	2,093	1,814	1,529	285	504	463	41
1986 .....	7,411	5,805	1,606	1,641	1,401	240	531	470	61
1987 .....	6,114	4,574	1,540	1,386	1,143	243	584	524	60
1988 .....	4,654	3,522	1,132	1,322	1,107	215	685	620	65
1989 .....	4,187	3,017	1,170	1,321	1,092	229	712	632	80
1990 .....	3,834	2,745	1,089	1,205	1,013	192	658	580	78
1991 .....	3,728	2,564	1,164	1,025	852	173	691	605	83
1992 .....	4,123	2,854	1,269	1,145	914	231	725	609	113
1993 .....	4,899	3,335	1,564	1,220	996	224	737	638	94
1994 .....	5,636	3,953	1,683	1,287	1,008	279	725	609	113
1995 .....	6,391	4,367	2,024	1,369	1,063	306	708	597	109
1996 .....	6,708	4,537	2,171	1,416	1,110	306	798	653	143
1997 .....	6,977	4,701	2,276	1,345	1,013	332	767	641	122
1998 .....	6,721	4,525	2,196	1,372	1,028	344	775	629	140

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 29. Civil engineering degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	5,611	5,588	23	2,218	2,209	9	293	293	0
1967 .....	5,439	5,411	28	2,225	2,204	21	307	306	1
1968 .....	5,796	5,765	31	2,435	2,418	17	368	368	0
1969 .....	6,282	6,235	47	2,426	2,406	20	364	363	1
1970 .....	6,800	6,747	53	2,503	2,473	30	366	365	1
1971 .....	6,939	6,879	60	2,700	2,656	44	427	426	1
1972 .....	7,258	7,181	77	2,869	2,821	48	437	435	2
1973 .....	8,013	7,924	89	3,195	3,135	60	435	426	9
1974 .....	8,633	8,488	145	3,247	3,164	83	390	387	3
1975 .....	8,289	8,116	173	3,268	3,161	107	361	356	5
1976 .....	8,493	8,214	279	3,605	3,454	151	388	382	6
1977 .....	8,898	8,413	485	3,606	3,421	185	336	328	8
1978 .....	9,900	9,141	759	3,226	3,030	196	303	295	8
1979 .....	10,583	9,534	1,049	3,165	2,951	214	302	298	4
1980 .....	11,046	9,959	1,087	3,198	2,933	265	306	295	11
1981 .....	11,331	10,100	1,231	3,428	3,112	316	358	348	10
1982 .....	11,280	9,962	1,318	3,456	3,104	352	368	351	17
1983 .....	10,747	9,263	1,484	3,504	3,122	382	397	384	13
1984 .....	10,351	8,928	1,423	3,551	3,136	415	408	383	25
1985 .....	9,730	8,388	1,342	3,542	3,128	414	391	371	20
1986 .....	9,223	7,994	1,229	3,281	2,908	373	429	408	21
1987 .....	8,746	7,550	1,196	3,267	2,792	475	477	459	18
1988 .....	8,131	6,960	1,171	3,134	2,721	413	531	501	30
1989 .....	8,015	6,841	1,174	3,296	2,851	445	538	484	54
1990 .....	7,992	6,730	1,262	3,213	2,693	520	553	504	49
1991 .....	8,083	6,803	1,280	3,404	2,864	540	575	529	41
1992 .....	8,920	7,395	1,525	3,755	3,120	635	594	535	50
1993 .....	9,788	8,009	1,779	4,438	3,607	831	624	558	54
1994 .....	10,603	8,619	1,984	4,918	3,965	953	684	598	80
1995 .....	11,329	9,031	2,298	5,168	4,123	1,045	656	575	76
1996 .....	12,053	9,629	2,424	5,002	3,938	1,064	697	615	79
1997 .....	12,010	9,441	2,569	4,880	3,781	1,099	656	572	80
1998 .....	11,522	8,946	2,576	4,736	3,582	1,154	651	545	100

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 30. Electrical engineering degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	11,007	10,978	29	3,872	3,850	22	569	567	2
1967 .....	10,843	10,801	42	3,953	3,942	11	675	675	0
1968 .....	10,725	10,682	43	4,226	4,204	22	741	741	0
1969 .....	11,695	11,629	66	4,033	4,011	22	829	826	3
1970 .....	12,288	12,220	68	4,138	4,109	29	857	854	3
1971 .....	12,288	12,212	76	4,282	4,252	30	862	858	4
1972 .....	12,181	12,099	82	4,209	4,157	52	815	810	5
1973 .....	12,377	12,219	158	3,899	3,850	49	787	780	7
1974 .....	11,419	11,302	117	3,499	3,444	55	678	675	3
1975 .....	10,246	10,116	130	3,471	3,413	58	714	698	16
1976 .....	9,874	9,681	193	3,774	3,670	104	711	696	15
1977 .....	10,018	9,750	268	3,788	3,654	134	667	646	21
1978 .....	11,213	10,778	435	3,742	3,600	142	539	522	17
1979 .....	12,440	11,781	659	3,596	3,453	143	611	600	11
1980 .....	13,902	13,000	902	3,842	3,658	184	540	523	17
1981 .....	15,040	13,940	1,100	3,902	3,681	221	549	527	22
1982 .....	16,553	15,142	1,411	4,465	4,177	288	616	594	22
1983 .....	19,205	17,283	1,922	4,819	4,484	335	625	612	13
1984 .....	21,541	19,252	2,289	5,519	5,081	438	660	645	15
1985 .....	23,668	20,936	2,732	5,649	5,154	495	716	681	35
1986 .....	26,112	22,885	3,227	6,147	5,508	639	806	768	38
1987 .....	26,791	23,227	3,564	6,895	6,178	717	779	747	32
1988 .....	25,942	22,418	3,524	7,455	6,642	813	1,010	962	48
1989 .....	24,318	21,130	3,188	7,849	6,933	916	1,137	1,070	67
1990 .....	23,015	20,148	2,867	8,009	7,018	991	1,276	1,192	84
1991 .....	21,520	18,757	2,763	7,942	7,008	934	1,405	1,312	79
1992 .....	20,256	17,801	2,455	8,274	7,229	1,045	1,483	1,352	115
1993 .....	19,598	17,339	2,259	8,828	7,777	1,051	1,543	1,403	125
1994 .....	18,241	15,990	2,251	8,870	7,721	1,149	1,673	1,516	147
1995 .....	17,579	15,409	2,170	8,743	7,539	1,204	1,731	1,545	173
1996 .....	16,667	14,695	1,972	8,156	6,960	1,196	1,740	1,555	169
1997 .....	16,434	14,416	2,018	7,341	6,197	1,144	1,721	1,560	150
1998 .....	16,322	14,310	2,012	7,971	6,595	1,376	1,596	1,429	156

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 31. Industrial engineering degrees awarded, by degree level  
and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	2,335	2,325	10	1,200	1,194	6	46	46	0
1967 .....	2,366	2,357	9	1,341	1,331	10	61	59	2
1968 .....	2,727	2,712	15	1,512	1,503	9	74	73	1
1969 .....	3,000	2,984	16	1,453	1,445	8	111	110	1
1970 .....	3,199	3,178	21	1,763	1,746	17	117	117	0
1971 .....	3,210	3,190	20	1,921	1,898	23	134	132	2
1972 .....	3,713	3,673	40	1,731	1,706	25	142	142	0
1973 .....	3,508	3,477	31	1,595	1,566	29	109	107	2
1974 .....	2,921	2,877	44	1,734	1,689	45	92	91	1
1975 .....	2,583	2,524	59	1,687	1,631	56	92	90	2
1976 .....	2,241	2,154	87	1,751	1,670	81	67	65	2
1977 .....	2,284	2,115	149	1,609	1,534	75	73	68	5
1978 .....	2,712	2,389	323	1,722	1,584	138	51	49	2
1979 .....	2,804	2,376	428	1,502	1,374	128	82	77	5
1980 .....	3,217	2,672	545	1,313	1,180	133	77	70	7
1981 .....	3,878	3,111	767	1,631	1,465	166	66	60	6
1982 .....	4,044	3,092	952	1,656	1,446	210	79	73	6
1983 .....	3,824	2,824	1,000	1,432	1,226	206	86	80	6
1984 .....	4,020	2,949	1,071	1,557	1,279	278	84	68	16
1985 .....	4,009	2,842	1,167	1,463	1,236	227	92	86	6
1986 .....	4,255	2,974	1,281	1,653	1,374	279	101	87	14
1987 .....	4,313	2,929	1,384	1,728	1,409	319	120	107	13
1988 .....	4,259	3,014	1,245	1,816	1,492	324	127	108	19
1989 .....	4,121	2,860	1,261	1,823	1,465	358	162	144	18
1990 .....	4,041	2,835	1,206	1,834	1,493	341	151	126	25
1991 .....	3,820	2,723	1,097	2,039	1,603	436	165	146	17
1992 .....	4,029	2,890	1,139	2,370	1,898	472	196	169	25
1993 .....	3,584	2,547	1,037	2,745	2,190	555	236	207	27
1994 .....	3,453	2,439	1,014	2,882	2,346	536	228	195	33
1995 .....	3,519	2,493	1,026	2,873	2,361	512	284	231	50
1996 .....	3,727	2,630	1,097	3,027	2,403	624	258	207	51
1997 .....	3,997	2,918	1,079	2,935	2,331	604	246	205	40
1998 .....	3,988	2,968	1,020	3,109	2,433	676	230	189	40

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 32. Mechanical engineering degrees awarded, by degree level  
and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	7,811	7,792	19	2,154	2,147	7	457	456	1
1967 .....	7,890	7,870	20	2,176	2,169	7	537	535	2
1968 .....	7,930	7,898	32	2,136	2,130	6	597	595	2
1969 .....	8,514	8,474	40	2,299	2,295	4	646	646	0
1970 .....	9,310	9,271	39	2,298	2,286	12	635	633	2
1971 .....	9,177	9,134	43	2,502	2,495	7	611	611	0
1972 .....	8,784	8,735	49	2,552	2,527	25	616	614	2
1973 .....	8,795	8,732	63	2,396	2,374	22	541	534	7
1974 .....	7,883	7,817	66	2,058	2,031	27	544	537	7
1975 .....	7,089	7,005	84	2,032	2,012	20	487	483	4
1976 .....	6,984	6,834	150	2,088	2,056	32	417	413	4
1977 .....	7,927	7,685	242	2,094	2,039	55	372	366	6
1978 .....	9,100	8,628	472	2,095	2,029	66	377	374	3
1979 .....	10,360	9,740	620	2,012	1,939	73	366	361	5
1980 .....	12,020	11,127	893	2,194	2,087	107	384	377	7
1981 .....	13,573	12,422	1,151	2,419	2,292	127	360	354	6
1982 .....	14,315	13,049	1,266	2,539	2,388	151	437	420	17
1983 .....	16,031	14,546	1,485	2,683	2,517	166	379	371	8
1984 .....	17,040	15,228	1,812	2,964	2,765	199	427	412	15
1985 .....	17,200	15,399	1,801	3,272	3,044	228	513	487	26
1986 .....	16,586	14,876	1,710	3,256	3,002	254	536	518	18
1987 .....	15,723	13,996	1,727	3,380	3,133	247	657	640	17
1988 .....	15,331	13,567	1,764	3,513	3,218	295	715	686	29
1989 .....	15,217	13,537	1,680	3,703	3,377	326	760	731	29
1990 .....	14,693	12,978	1,715	3,630	3,276	354	884	846	38
1991 .....	14,263	12,673	1,590	3,680	3,320	360	875	810	57
1992 .....	14,352	12,791	1,561	3,826	3,455	371	987	933	45
1993 .....	14,708	13,076	1,632	4,169	3,769	400	1,030	955	57
1994 .....	15,297	13,554	1,743	4,277	3,860	417	1,015	940	69
1995 .....	15,141	13,441	1,700	4,368	3,918	450	1,025	954	64
1996 .....	14,509	12,773	1,736	4,009	3,555	454	1,052	963	78
1997 .....	13,806	12,171	1,635	3,756	3,337	419	1,021	927	88
1998 .....	13,363	11,727	1,636	3,551	3,090	461	1,023	923	93

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 33. Materials/metallurgy engineering degrees awarded,  
by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	792	785	7	400	397	3	211	209	2
1967 .....	836	828	8	444	443	1	267	266	1
1968 .....	881	863	18	460	458	2	215	213	2
1969 .....	952	942	10	441	435	6	280	279	1
1970 .....	977	967	10	429	423	6	303	302	1
1971 .....	916	903	13	480	472	8	306	305	1
1972 .....	909	893	16	524	513	11	294	291	3
1973 .....	885	870	15	582	569	13	299	292	7
1974 .....	821	789	32	521	508	13	280	277	3
1975 .....	711	676	35	500	483	17	272	267	5
1976 .....	704	661	43	475	447	28	252	244	8
1977 .....	738	679	59	504	481	23	248	238	10
1978 .....	835	728	107	506	468	38	247	242	5
1979 .....	1,045	862	183	529	475	54	236	228	8
1980 .....	1,303	1,076	227	598	539	59	273	259	14
1981 .....	1,434	1,164	270	666	587	79	234	217	17
1982 .....	1,696	1,372	324	632	560	72	255	238	17
1983 .....	1,392	1,104	288	672	567	105	268	238	30
1984 .....	1,355	1,033	322	726	605	121	271	245	26
1985 .....	1,276	990	286	713	600	113	303	271	32
1986 .....	1,259	924	335	810	673	137	305	281	24
1987 .....	1,152	854	298	765	600	165	392	347	45
1988 .....	1,211	891	320	749	597	152	374	341	33
1989 .....	1,114	853	261	815	634	181	380	335	45
1990 .....	1,166	895	271	802	650	152	440	391	49
1991 .....	1,166	912	254	787	607	180	489	412	77
1992 .....	1,091	846	245	796	653	143	485	416	61
1993 .....	1,216	956	260	849	682	167	535	449	78
1994 .....	1,106	866	240	910	723	187	539	452	83
1995 .....	1,046	799	247	852	668	184	588	489	95
1996 .....	1,004	781	223	774	599	175	572	482	83
1997 .....	1,063	804	259	724	550	174	581	469	106
1998 .....	1,007	772	235	698	528	170	565	477	84

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 34. Other engineering degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	3,606	3,576	30	1,991	1,975	16	249	248	1
1967 .....	3,912	3,877	35	1,952	1,933	19	288	288	0
1968 .....	4,154	4,119	35	2,371	2,348	23	326	323	3
1969 .....	4,746	4,685	61	2,534	2,499	35	427	426	1
1970 .....	5,445	5,376	69	2,590	2,536	54	507	503	4
1971 .....	6,368	6,300	68	2,565	2,524	41	569	568	1
1972 .....	6,719	6,591	128	2,933	2,859	74	633	625	8
1973 .....	7,495	7,387	108	3,176	3,095	81	612	604	8
1974 .....	6,535	6,379	156	2,478	2,394	84	611	606	5
1975 .....	6,312	6,119	193	2,654	2,574	80	548	535	13
1976 .....	5,942	5,695	247	2,744	2,623	121	546	534	12
1977 .....	6,448	6,087	361	2,847	2,698	149	508	497	11
1978 .....	7,100	6,527	573	3,043	2,881	162	523	511	12
1979 .....	8,409	7,588	821	2,827	2,639	188	501	481	20
1980 .....	8,622	7,693	929	3,023	2,801	222	502	483	19
1981 .....	9,013	7,963	1,050	2,591	2,367	224	547	520	27
1982 .....	9,393	8,172	1,221	2,879	2,603	276	472	447	25
1983 .....	10,794	9,282	1,512	3,740	3,392	348	528	499	29
1984 .....	10,120	8,560	1,560	3,468	3,054	414	535	510	25
1985 .....	9,894	8,310	1,584	3,914	3,463	451	523	490	33
1986 .....	9,072	7,570	1,502	3,687	3,252	435	550	502	48
1987 .....	8,597	7,150	1,447	3,912	3,363	549	561	514	47
1988 .....	7,534	6,209	1,325	3,940	3,407	533	595	542	53
1989 .....	7,031	5,878	1,153	4,081	3,518	563	676	602	74
1990 .....	6,916	5,696	1,220	4,273	3,636	637	740	652	88
1991 .....	6,738	5,545	1,193	4,195	3,547	648	807	691	106
1992 .....	6,174	5,070	1,104	3,919	3,230	689	734	629	89
1993 .....	6,177	5,043	1,134	4,368	3,608	760	765	669	79
1994 .....	6,346	5,153	1,193	4,535	3,733	802	728	621	99
1995 .....	6,595	5,340	1,255	4,436	3,604	832	764	642	115
1996 .....	6,804	5,358	1,446	4,603	3,762	841	901	748	149
1997 .....	6,775	5,343	1,432	4,268	3,420	848	849	685	149
1998 .....	6,744	5,277	1,467	4,117	3,216	901	847	699	145

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 35. Physical science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	15,462	13,290	2,172	4,206	3,723	483	2,655	2,535	120
1967 .....	15,847	13,642	2,205	4,405	3,907	498	3,085	2,930	155
1968 .....	17,037	14,602	2,435	4,456	3,892	564	3,239	3,064	175
1969 .....	18,623	15,962	2,661	4,755	4,176	579	3,428	3,242	186
1970 .....	18,173	15,547	2,626	4,796	4,074	722	3,893	3,666	227
1971 .....	17,948	15,317	2,631	5,115	4,379	736	3,949	3,718	231
1972 .....	16,814	14,161	2,653	4,864	4,128	736	3,653	3,404	249
1973 .....	16,415	13,826	2,589	4,769	4,100	669	3,444	3,209	235
1974 .....	16,453	13,686	2,767	4,379	3,689	690	3,136	2,902	234
1975 .....	16,001	12,990	3,011	4,298	3,645	653	3,076	2,812	264
1976 .....	16,497	13,280	3,217	3,880	3,275	605	2,861	2,617	244
1977 .....	16,937	13,560	3,377	3,641	2,981	660	2,721	2,477	244
1978 .....	17,143	13,453	3,690	3,713	3,060	653	2,611	2,364	247
1979 .....	17,257	13,358	3,899	3,650	2,971	679	2,674	2,382	292
1980 .....	17,470	13,285	4,185	3,408	2,770	638	2,521	2,199	322
1981 .....	17,446	13,137	4,309	3,366	2,691	675	2,627	2,318	309
1982 .....	17,263	12,737	4,526	3,491	2,744	747	2,694	2,337	357
1983 .....	16,197	11,586	4,611	3,285	2,600	685	2,814	2,441	373
1984 .....	15,831	11,175	4,656	3,544	2,698	846	2,851	2,452	399
1985 .....	16,270	11,434	4,836	3,605	2,775	830	2,934	2,467	467
1986 .....	15,784	11,088	4,696	3,649	2,736	913	3,120	2,610	510
1987 .....	15,464	10,792	4,672	3,574	2,684	890	3,238	2,710	528
1988 .....	14,255	9,673	4,582	3,708	2,817	891	3,350	2,783	567
1989 .....	14,148	9,777	4,371	3,876	2,836	1,040	3,261	2,642	619
1990 .....	13,425	9,106	4,319	3,805	2,754	1,051	3,524	2,863	661
1991 .....	13,678	9,253	4,425	3,777	2,703	1,074	3,626	2,934	679
1992 .....	13,875	9,289	4,586	3,922	2,834	1,088	3,781	2,986	770
1993 .....	14,188	9,424	4,764	3,965	2,794	1,171	3,699	2,880	780
1994 .....	14,655	9,588	5,067	4,263	3,030	1,233	3,977	3,128	828
1995 .....	14,897	9,605	5,292	4,241	2,958	1,283	3,841	2,944	878
1996 .....	15,396	9,694	5,702	4,364	2,914	1,450	3,837	2,968	842
1997 .....	15,264	9,382	5,882	4,141	2,808	1,333	3,768	2,892	852
1998 .....	15,273	9,279	5,994	3,969	2,529	1,440	3,829	2,883	927

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 36. Astronomy degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	86	76	10	59	50	9	66	63	3
1967 .....	100	89	11	69	58	11	64	59	5
1968 .....	115	93	22	80	68	12	98	89	9
1969 .....	118	107	11	107	100	7	112	105	7
1970 .....	139	120	19	92	83	9	111	103	8
1971 .....	136	127	9	108	94	14	113	105	8
1972 .....	159	135	24	167	155	12	129	121	8
1973 .....	143	117	26	92	80	12	131	125	6
1974 .....	179	144	35	89	77	12	133	127	6
1975 .....	143	115	28	113	98	15	131	119	12
1976 .....	166	149	17	89	81	8	150	139	11
1977 .....	152	131	21	81	67	14	120	111	9
1978 .....	128	102	26	95	83	12	138	131	7
1979 .....	120	100	20	116	101	15	115	107	8
1980 .....	122	98	24	79	70	9	121	108	13
1981 .....	129	103	26	58	49	9	109	98	11
1982 .....	113	92	21	80	69	11	102	86	16
1983 .....	96	72	24	68	56	12	115	100	15
1984 .....	95	75	20	67	57	10	98	86	12
1985 .....	119	89	30	91	76	15	100	89	11
1986 .....	149	126	23	83	72	11	109	100	9
1987 .....	130	107	23	71	55	16	100	87	13
1988 .....	126	107	19	88	71	17	130	114	16
1989 .....	164	127	37	100	85	15	113	96	17
1990 .....	140	97	43	105	83	22	128	108	20
1991 .....	151	112	39	98	79	19	125	110	14
1992 .....	138	97	41	113	81	32	134	114	19
1993 .....	167	120	47	135	106	29	145	120	25
1994 .....	163	117	46	129	98	31	144	119	25
1995 .....	169	117	52	119	88	31	173	143	30
1996 .....	148	93	55	115	88	27	192	151	41
1997 .....	140	94	46	93	61	32	198	161	37
1998 .....	168	110	58	101	71	30	208	162	46

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 37. Chemistry degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	9,735	7,934	1,801	1,839	1,484	355	1,594	1,496	98
1967 .....	9,872	8,101	1,771	1,831	1,484	347	1,773	1,655	118
1968 .....	10,847	8,882	1,965	2,014	1,596	418	1,803	1,662	141
1969 .....	11,807	9,651	2,156	2,070	1,689	381	1,967	1,820	147
1970 .....	11,617	9,501	2,116	2,146	1,666	480	2,238	2,056	182
1971 .....	11,183	9,088	2,095	2,284	1,792	492	2,211	2,036	175
1972 .....	10,721	8,601	2,120	2,259	1,754	505	2,019	1,816	203
1973 .....	10,226	8,259	1,967	2,230	1,763	467	1,855	1,676	179
1974 .....	10,525	8,413	2,112	2,138	1,664	474	1,797	1,620	177
1975 .....	10,649	8,264	2,385	2,006	1,590	416	1,776	1,582	194
1976 .....	11,107	8,610	2,497	1,796	1,413	383	1,624	1,435	189
1977 .....	11,322	8,720	2,602	1,775	1,327	448	1,571	1,391	180
1978 .....	11,474	8,593	2,881	1,892	1,447	445	1,544	1,349	195
1979 .....	11,643	8,530	3,113	1,765	1,318	447	1,566	1,347	219
1980 .....	11,446	8,169	3,277	1,733	1,286	447	1,538	1,283	255
1981 .....	11,540	8,065	3,475	1,667	1,194	473	1,612	1,376	236
1982 .....	11,316	7,703	3,613	1,758	1,261	497	1,680	1,407	273
1983 .....	11,039	7,303	3,736	1,632	1,167	465	1,758	1,461	297
1984 .....	10,912	7,087	3,825	1,677	1,139	538	1,765	1,445	320
1985 .....	10,701	6,807	3,894	1,734	1,166	568	1,836	1,474	362
1986 .....	10,317	6,573	3,744	1,764	1,165	599	1,903	1,507	396
1987 .....	9,830	6,156	3,674	1,750	1,181	569	1,975	1,569	406
1988 .....	9,158	5,506	3,652	1,702	1,148	554	2,015	1,588	427
1989 .....	8,822	5,391	3,431	1,800	1,131	669	1,970	1,471	499
1990 .....	8,289	4,965	3,324	1,711	1,038	673	2,100	1,597	503
1991 .....	8,461	5,046	3,415	1,676	993	683	2,194	1,672	517
1992 .....	8,829	5,236	3,593	1,791	1,090	701	2,214	1,621	579
1993 .....	9,109	5,365	3,744	1,853	1,110	743	2,137	1,530	582
1994 .....	9,641	5,672	3,969	2,010	1,183	827	2,257	1,621	625
1995 .....	10,016	5,783	4,233	2,105	1,220	885	2,162	1,488	661
1996 .....	10,713	6,091	4,622	2,273	1,275	998	2,148	1,525	605
1997 .....	10,926	6,043	4,883	2,268	1,341	927	2,147	1,522	613
1998 .....	10,873	5,900	4,973	2,173	1,175	998	2,219	1,512	695

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 38. Physics degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	4,608	4,384	224	1,949	1,869	80	995	976	19
1967 .....	4,733	4,466	267	2,111	2,015	96	1,248	1,216	32
1968 .....	5,045	4,749	296	2,088	1,993	95	1,338	1,313	25
1969 .....	5,535	5,213	322	2,259	2,139	120	1,349	1,317	32
1970 .....	5,333	5,004	329	2,205	2,047	158	1,544	1,507	37
1971 .....	5,076	4,733	343	2,194	2,042	152	1,625	1,577	48
1972 .....	4,645	4,322	323	2,035	1,876	159	1,505	1,467	38
1973 .....	4,268	3,955	313	1,755	1,642	113	1,458	1,408	50
1974 .....	3,962	3,625	337	1,662	1,526	136	1,206	1,155	51
1975 .....	3,716	3,354	362	1,577	1,453	124	1,169	1,111	58
1976 .....	3,544	3,156	388	1,451	1,319	132	1,087	1,043	44
1977 .....	3,420	3,062	358	1,319	1,193	126	1,030	975	55
1978 .....	3,330	2,961	369	1,294	1,171	123	929	884	45
1979 .....	3,338	2,939	399	1,319	1,184	135	993	928	65
1980 .....	3,397	2,963	434	1,192	1,074	118	862	808	54
1981 .....	3,441	3,009	432	1,294	1,179	115	906	844	62
1982 .....	3,475	3,014	461	1,284	1,128	156	912	844	68
1983 .....	3,800	3,317	483	1,370	1,208	162	928	869	59
1984 .....	3,921	3,361	560	1,535	1,341	194	982	915	67
1985 .....	4,111	3,550	561	1,523	1,333	190	980	889	91
1986 .....	4,189	3,578	611	1,501	1,277	224	1,078	978	100
1987 .....	4,324	3,629	695	1,543	1,300	243	1,137	1,030	107
1988 .....	4,103	3,492	611	1,681	1,428	253	1,172	1,058	114
1989 .....	4,347	3,705	642	1,739	1,448	291	1,161	1,060	101
1990 .....	4,193	3,514	679	1,819	1,523	296	1,265	1,135	130
1991 .....	4,245	3,575	670	1,725	1,441	284	1,286	1,137	142
1992 .....	4,107	3,435	672	1,834	1,539	295	1,403	1,226	167
1993 .....	4,080	3,403	677	1,781	1,463	318	1,399	1,216	169
1994 .....	4,005	3,295	710	1,952	1,655	297	1,548	1,364	175
1995 .....	3,836	3,161	675	1,826	1,535	291	1,479	1,291	182
1996 .....	3,703	3,019	684	1,686	1,385	301	1,484	1,282	193
1997 .....	3,393	2,741	652	1,497	1,242	255	1,401	1,196	193
1998 .....	3,455	2,789	666	1,401	1,146	255	1,378	1,195	177

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 39. Other physical science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	1,033	896	137	359	320	39	NA	NA	NA
1967 .....	1,142	986	156	394	350	44	NA	NA	NA
1968 .....	1,030	878	152	274	235	39	NA	NA	NA
1969 .....	1,163	991	172	319	248	71	NA	NA	NA
1970 .....	1,084	922	162	353	278	75	NA	NA	NA
1971 .....	1,553	1,369	184	529	451	78	NA	NA	NA
1972 .....	1,289	1,103	186	403	343	60	NA	NA	NA
1973 .....	1,778	1,495	283	692	615	77	NA	NA	NA
1974 .....	1,787	1,504	283	490	422	68	NA	NA	NA
1975 .....	1,493	1,257	236	602	504	98	NA	NA	NA
1976 .....	1,680	1,365	315	544	462	82	NA	NA	NA
1977 .....	2,043	1,647	396	466	394	72	NA	NA	NA
1978 .....	2,211	1,797	414	432	359	73	NA	NA	NA
1979 .....	2,156	1,789	367	450	368	82	NA	NA	NA
1980 .....	2,505	2,055	450	404	340	64	NA	NA	NA
1981 .....	2,336	1,960	376	347	269	78	NA	NA	NA
1982 .....	2,359	1,928	431	369	286	83	NA	NA	NA
1983 .....	1,262	894	368	215	169	46	13	11	2
1984 .....	903	652	251	265	161	104	6	6	0
1985 .....	1,339	988	351	257	200	57	18	15	3
1986 .....	1,129	811	318	301	222	79	30	25	5
1987 .....	1,180	900	280	210	148	62	26	24	2
1988 .....	868	568	300	237	170	67	33	23	10
1989 .....	815	554	261	237	172	65	17	15	2
1990 .....	803	530	273	170	110	60	31	23	8
1991 .....	821	520	301	278	190	88	21	15	6
1992 .....	801	521	280	184	124	60	30	25	5
1993 .....	832	536	296	196	115	81	18	14	4
1994 .....	846	504	342	172	94	78	28	24	3
1995 .....	876	544	332	191	115	76	27	22	5
1996 .....	832	491	341	290	166	124	13	10	3
1997 .....	805	504	301	283	164	119	22	13	9
1998 .....	777	480	297	294	137	157	24	14	9

**NOTE:** See section C for specific fields that are included in this field of study.

**KEY:** NA = Not available

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 40. Earth, atmospheric, and oceanographic science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	1,712	1,551	161	759	714	45	404	392	12
1967 .....	1,936	1,739	197	971	916	55	415	409	6
1968 .....	2,339	2,105	234	1,008	937	71	434	423	11
1969 .....	2,924	2,633	291	1,124	1,035	89	496	476	20
1970 .....	3,351	3,008	343	1,124	999	125	498	483	15
1971 .....	3,562	3,179	383	1,227	1,111	116	536	523	13
1972 .....	4,055	3,560	495	1,408	1,256	152	598	576	22
1973 .....	4,374	3,842	532	1,470	1,294	176	624	597	27
1974 .....	4,823	4,055	768	1,679	1,482	197	615	581	34
1975 .....	4,877	4,050	827	1,503	1,309	194	625	595	30
1976 .....	5,046	4,124	922	1,581	1,361	220	641	579	62
1977 .....	5,653	4,479	1,174	1,659	1,433	226	689	630	59
1978 .....	6,003	4,709	1,294	1,832	1,542	290	621	560	61
1979 .....	6,082	4,695	1,387	1,777	1,467	310	642	584	58
1980 .....	6,155	4,693	1,462	1,793	1,457	336	628	564	64
1981 .....	6,694	5,028	1,666	1,876	1,470	406	583	527	56
1982 .....	7,061	5,254	1,807	2,012	1,560	452	657	554	103
1983 .....	7,298	5,450	1,848	1,959	1,515	444	624	529	95
1984 .....	7,925	5,991	1,934	1,982	1,517	465	608	502	106
1985 .....	7,576	5,715	1,861	2,160	1,639	521	599	491	108
1986 .....	6,076	4,722	1,354	2,234	1,717	517	559	464	95
1987 .....	4,689	3,629	1,060	2,051	1,531	520	602	490	112
1988 .....	3,554	2,707	847	1,920	1,433	487	695	560	135
1989 .....	3,181	2,380	801	1,819	1,337	482	723	575	148
1990 .....	2,776	2,001	775	1,596	1,218	378	738	597	141
1991 .....	2,728	1,946	782	1,499	1,116	383	815	631	179
1992 .....	3,201	2,177	1,024	1,425	1,057	368	794	600	188
1993 .....	3,503	2,453	1,050	1,397	1,006	391	771	602	160
1994 .....	3,868	2,665	1,203	1,418	994	424	824	635	183
1995 .....	4,478	2,954	1,524	1,483	1,032	451	780	608	170
1996 .....	4,457	2,972	1,485	1,487	1,051	436	794	614	172
1997 .....	4,466	2,924	1,542	1,435	948	487	878	662	210
1998 .....	4,321	2,722	1,599	1,426	932	494	814	592	219

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 41. Atmospheric science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	184	181	3	97	95	2	34	33	1
1967 .....	212	208	4	169	164	5	40	39	1
1968 .....	222	217	5	112	110	2	47	46	1
1969 .....	228	215	13	140	135	5	48	48	0
1970 .....	232	231	1	134	131	3	55	52	3
1971 .....	249	245	4	153	149	4	59	59	0
1972 .....	289	273	16	168	164	4	78	76	2
1973 .....	251	242	9	174	165	9	58	57	1
1974 .....	294	279	15	195	188	7	57	55	2
1975 .....	306	285	21	183	173	10	45	43	2
1976 .....	365	329	36	197	180	17	76	68	8
1977 .....	373	338	35	213	201	12	93	84	9
1978 .....	353	318	35	199	187	12	77	74	3
1979 .....	326	289	37	181	165	16	84	81	3
1980 .....	367	325	42	170	156	14	90	82	8
1981 .....	359	302	57	174	154	20	75	72	3
1982 .....	412	346	66	164	140	24	65	61	4
1983 .....	396	330	66	183	159	24	97	91	6
1984 .....	478	380	98	246	213	33	81	73	8
1985 .....	414	346	68	236	196	40	80	76	4
1986 .....	355	296	59	204	172	32	78	70	8
1987 .....	345	284	61	216	187	29	87	73	14
1988 .....	348	291	57	191	155	36	103	92	11
1989 .....	330	278	52	206	174	32	87	77	10
1990 .....	360	286	74	198	174	24	83	69	14
1991 .....	360	303	57	172	138	34	108	89	16
1992 .....	412	331	81	180	147	33	120	92	27
1993 .....	369	305	64	202	161	41	99	79	18
1994 .....	405	329	76	197	150	47	129	101	26
1995 .....	444	362	82	203	152	51	130	106	23
1996 .....	434	348	86	199	164	35	125	100	22
1997 .....	431	348	83	177	135	42	149	124	25
1998 .....	443	339	104	199	147	52	125	93	30

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 42. Geoscience degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	1,510	1,353	157	594	557	37	331	320	11
1967 .....	1,685	1,494	191	706	659	47	327	323	4
1968 .....	2,043	1,819	224	787	724	63	338	329	9
1969 .....	2,583	2,310	273	861	784	77	406	389	17
1970 .....	3,002	2,668	334	847	735	112	377	367	10
1971 .....	3,085	2,712	373	922	822	100	424	412	12
1972 .....	3,410	2,939	471	1,067	937	130	420	402	18
1973 .....	3,831	3,327	504	1,142	988	154	423	406	17
1974 .....	4,292	3,553	739	1,285	1,106	179	424	406	18
1975 .....	4,318	3,530	788	1,151	979	172	417	400	17
1976 .....	4,441	3,568	873	1,232	1,046	186	415	385	30
1977 .....	4,998	3,896	1,102	1,300	1,109	191	420	383	37
1978 .....	5,416	4,185	1,231	1,456	1,199	257	373	336	37
1979 .....	5,467	4,153	1,314	1,435	1,165	270	383	345	38
1980 .....	5,536	4,170	1,366	1,481	1,186	295	388	353	35
1981 .....	6,110	4,550	1,560	1,527	1,175	352	354	321	33
1982 .....	6,429	4,731	1,698	1,682	1,301	381	406	341	65
1983 .....	6,774	5,007	1,767	1,673	1,279	394	368	315	53
1984 .....	7,285	5,477	1,808	1,617	1,216	401	383	321	62
1985 .....	7,001	5,244	1,757	1,806	1,361	445	385	310	75
1986 .....	5,555	4,292	1,263	1,895	1,444	451	346	278	68
1987 .....	4,189	3,218	971	1,729	1,272	457	375	299	76
1988 .....	3,061	2,298	763	1,630	1,209	421	425	343	82
1989 .....	2,707	1,995	712	1,511	1,099	412	455	363	92
1990 .....	2,256	1,600	656	1,316	991	325	477	392	85
1991 .....	2,214	1,530	684	1,195	887	308	560	436	124
1992 .....	2,573	1,709	864	1,102	805	297	503	385	115
1993 .....	2,901	1,978	923	1,052	756	296	479	384	89
1994 .....	3,266	2,194	1,072	1,073	745	328	509	411	95
1995 .....	3,820	2,456	1,364	1,142	789	353	454	362	91
1996 .....	3,838	2,504	1,334	1,146	799	347	452	361	88
1997 .....	3,830	2,445	1,385	1,145	752	393	489	366	119
1998 .....	3,665	2,262	1,403	1,105	708	397	504	376	127

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 43. Oceanography degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	18	17	1	68	62	6	39	39	0
1967 .....	39	37	2	96	93	3	48	47	1
1968 .....	74	69	5	109	103	6	49	48	1
1969 .....	113	108	5	123	116	7	42	39	3
1970 .....	117	109	8	143	133	10	66	64	2
1971 .....	228	222	6	152	140	12	53	52	1
1972 .....	356	348	8	173	155	18	78	77	1
1973 .....	292	273	19	154	141	13	88	84	4
1974 .....	237	223	14	199	188	11	81	73	8
1975 .....	253	235	18	169	157	12	86	83	3
1976 .....	240	227	13	152	135	17	89	75	14
1977 .....	282	245	37	146	123	23	122	116	6
1978 .....	234	206	28	177	156	21	126	112	14
1979 .....	289	253	36	161	137	24	122	112	10
1980 .....	252	198	54	142	115	27	110	95	15
1981 .....	225	176	49	175	141	34	100	91	9
1982 .....	220	177	43	166	119	47	133	110	23
1983 .....	128	113	15	103	77	26	109	84	25
1984 .....	162	134	28	119	88	31	99	72	27
1985 .....	161	125	36	118	82	36	92	69	23
1986 .....	166	134	32	135	101	34	100	89	11
1987 .....	155	127	28	106	72	34	111	95	16
1988 .....	145	118	27	99	69	30	109	83	26
1989 .....	144	107	37	102	64	38	113	87	26
1990 .....	160	115	45	82	53	29	128	97	31
1991 .....	154	113	41	132	91	41	112	86	26
1992 .....	216	137	79	143	105	38	114	83	29
1993 .....	233	170	63	143	89	54	125	89	35
1994 .....	197	142	55	148	99	49	125	86	38
1995 .....	214	136	78	138	91	47	115	87	28
1996 .....	185	120	65	142	88	54	134	94	39
1997 .....	205	131	74	113	61	52	144	105	38
1998 .....	213	121	92	122	77	45	112	80	32

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 44. Mathematical/computer science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	20,179	13,477	6,702	5,010	3,992	1,018	769	722	47
1967 .....	21,530	14,196	7,334	5,733	4,423	1,310	830	782	48
1968 .....	24,084	15,243	8,841	6,081	4,720	1,361	971	924	47
1969 .....	28,263	17,915	10,348	6,735	5,169	1,566	1,070	1,014	56
1970 .....	29,109	18,593	10,516	7,107	5,298	1,809	1,225	1,148	77
1971 .....	27,306	17,488	9,818	6,789	5,101	1,688	1,238	1,142	96
1972 .....	27,250	17,466	9,784	7,186	5,409	1,777	1,281	1,185	96
1973 .....	27,528	17,543	9,985	7,146	5,416	1,730	1,233	1,113	120
1974 .....	26,570	16,851	9,719	7,116	5,323	1,793	1,211	1,096	115
1975 .....	23,385	14,729	8,656	6,637	4,871	1,766	1,147	1,038	109
1976 .....	21,749	14,071	7,678	6,466	4,776	1,690	1,003	890	113
1977 .....	20,729	13,241	7,488	6,496	4,730	1,766	964	837	127
1978 .....	19,925	12,815	7,110	6,421	4,704	1,717	959	828	131
1979 .....	20,670	13,249	7,421	6,101	4,469	1,632	979	833	146
1980 .....	22,686	14,439	8,247	6,515	4,715	1,800	962	846	116
1981 .....	26,406	16,672	9,734	6,787	4,939	1,848	960	822	138
1982 .....	32,139	19,966	12,173	7,666	5,446	2,220	940	824	116
1983 .....	37,344	22,802	14,542	8,177	5,684	2,493	987	838	149
1984 .....	45,946	27,893	18,053	8,960	6,185	2,775	993	841	152
1985 .....	54,510	32,985	21,525	10,004	6,951	3,053	998	859	139
1986 .....	58,726	35,920	22,806	11,254	7,724	3,530	1,128	959	169
1987 .....	56,442	34,871	21,571	11,808	8,011	3,797	1,190	1,000	190
1988 .....	50,877	32,112	18,765	12,600	8,759	3,841	1,284	1,087	177
1989 .....	46,277	29,682	16,595	12,829	8,833	3,996	1,471	1,208	263
1990 .....	42,369	27,184	15,185	13,327	9,176	4,151	1,597	1,329	268
1991 .....	40,194	25,700	14,494	12,956	8,709	4,247	1,839	1,515	316
1992 .....	39,889	25,693	14,196	13,320	9,199	4,121	1,927	1,588	325
1993 .....	39,433	25,483	13,950	14,100	9,773	4,327	2,026	1,602	402
1994 .....	39,185	25,397	13,788	14,350	10,128	4,222	2,021	1,641	373
1995 .....	38,620	25,066	13,554	14,495	10,130	4,365	2,187	1,727	451
1996 .....	37,621	24,857	12,764	14,355	9,999	4,356	2,043	1,657	370
1997 .....	38,116	25,324	12,792	14,088	9,620	4,468	2,035	1,597	413
1998 .....	39,768	26,670	13,098	15,277	10,393	4,884	2,102	1,635	456

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 45. Mathematics degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	20,090	13,401	6,689	4,772	3,771	1,001	769	722	47
1967 .....	21,308	13,998	7,310	5,284	4,000	1,284	830	782	48
1968 .....	23,625	14,839	8,786	5,533	4,202	1,331	971	924	47
1969 .....	27,330	17,103	10,227	5,723	4,230	1,493	1,070	1,014	56
1970 .....	27,565	17,248	10,317	5,648	3,974	1,674	1,225	1,148	77
1971 .....	24,918	15,424	9,494	5,201	3,677	1,524	1,238	1,142	96
1972 .....	23,848	14,525	9,323	5,209	3,657	1,552	1,281	1,185	96
1973 .....	23,223	13,878	9,345	5,033	3,528	1,505	1,232	1,113	119
1974 .....	21,813	12,874	8,939	4,840	3,340	1,500	1,211	1,096	115
1975 .....	18,346	10,646	7,700	4,338	2,910	1,428	1,147	1,038	109
1976 .....	16,085	9,531	6,554	3,863	2,550	1,313	1,003	890	113
1977 .....	14,303	8,354	5,949	3,698	2,398	1,300	933	811	122
1978 .....	12,701	7,455	5,246	3,383	2,233	1,150	838	718	120
1979 .....	11,901	6,943	4,958	3,046	1,989	1,057	769	650	119
1980 .....	11,473	6,625	4,848	2,868	1,832	1,036	744	649	95
1981 .....	11,173	6,392	4,781	2,569	1,692	877	728	616	112
1982 .....	11,708	6,650	5,058	2,731	1,821	910	720	624	96
1983 .....	12,662	7,112	5,550	2,856	1,871	985	701	588	113
1984 .....	13,511	7,524	5,987	2,770	1,806	964	698	583	115
1985 .....	15,389	8,295	7,094	2,903	1,887	1,016	688	582	106
1986 .....	16,531	8,851	7,680	3,184	2,066	1,118	729	608	121
1987 .....	16,515	8,833	7,682	3,327	2,026	1,301	740	615	125
1988 .....	15,981	8,569	7,412	3,434	2,057	1,377	749	628	121
1989 .....	15,314	8,284	7,050	3,430	2,060	1,370	859	704	155
1990 .....	14,674	7,863	6,811	3,684	2,208	1,476	892	734	158
1991 .....	14,784	7,804	6,980	3,632	2,146	1,486	1,039	836	199
1992 .....	14,931	7,945	6,986	3,665	2,219	1,446	1,058	841	205
1993 .....	14,853	7,854	6,999	3,751	2,219	1,532	1,146	865	264
1994 .....	14,632	7,884	6,768	3,804	2,311	1,493	1,118	879	236
1995 .....	13,851	7,360	6,491	3,932	2,353	1,579	1,190	919	265
1996 .....	13,076	7,084	5,992	3,742	2,236	1,506	1,122	881	231
1997 .....	12,723	6,834	5,889	3,599	2,110	1,489	1,125	853	263
1998 .....	12,094	6,435	5,659	3,525	2,055	1,470	1,177	872	297

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 46. Computer science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's <sup>1</sup>			Master's			Doctoral <sup>1</sup>		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	89	76	13	238	221	17	19	19	0
1967 .....	222	198	24	449	423	26	38	37	1
1968 .....	459	404	55	548	518	30	36	36	0
1969 .....	933	812	121	1,012	939	73	64	62	2
1970 .....	1,544	1,345	199	1,459	1,324	135	107	105	2
1971 .....	2,388	2,064	324	1,588	1,424	164	128	125	3
1972 .....	3,402	2,941	461	1,977	1,752	225	167	155	12
1973 .....	4,305	3,665	640	2,113	1,888	225	196	181	15
1974 .....	4,757	3,977	780	2,276	1,983	293	198	189	9
1975 .....	5,039	4,083	956	2,299	1,961	338	213	199	14
1976 .....	5,664	4,540	1,124	2,603	2,226	377	244	221	23
1977 .....	6,426	4,887	1,539	2,798	2,332	466	216	197	19
1978 .....	7,224	5,360	1,864	3,038	2,471	567	196	181	15
1979 .....	8,769	6,306	2,463	3,055	2,480	575	210	183	27
1980 .....	11,213	7,814	3,399	3,647	2,883	764	218	197	21
1981 .....	15,233	10,280	4,953	4,218	3,247	971	232	206	26
1982 .....	20,431	13,316	7,115	4,935	3,625	1,310	220	200	20
1983 .....	24,682	15,690	8,992	5,321	3,813	1,508	286	250	36
1984 .....	32,435	20,369	12,066	6,190	4,379	1,811	295	258	37
1985 .....	39,121	24,690	14,431	7,101	5,064	2,037	310	277	33
1986 .....	42,195	27,069	15,126	8,070	5,658	2,412	399	351	48
1987 .....	39,927	26,038	13,889	8,481	5,985	2,496	450	385	65
1988 .....	34,896	23,543	11,353	9,166	6,702	2,464	515	459	56
1989 .....	30,963	21,418	9,545	9,399	6,773	2,626	612	504	108
1990 .....	27,695	19,321	8,374	9,643	6,968	2,675	705	595	110
1991 .....	25,410	17,896	7,514	9,324	6,563	2,761	800	679	117
1992 .....	24,958	17,748	7,210	9,655	6,980	2,675	869	747	120
1993 .....	24,580	17,629	6,951	10,349	7,554	2,795	880	737	138
1994 .....	24,553	17,533	7,020	10,546	7,817	2,729	903	762	137
1995 .....	24,769	17,706	7,063	10,563	7,777	2,786	997	808	186
1996 .....	24,545	17,773	6,772	10,613	7,763	2,850	921	776	139
1997 .....	25,393	18,490	6,903	10,489	7,510	2,979	910	744	150
1998 .....	27,674	20,235	7,439	11,752	8,338	3,414	925	763	159

<sup>1</sup> Data on computer science were not collected on the Survey of Earned Doctorates until 1978-1979. Data shown for 1966-1978 are from the Completions Survey and are not included in other aggregations.

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 47. Biological science/agricultural science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	29,804	22,339	7,465	5,865	4,646	1,219	2,711	2,386	325
1967 .....	32,489	24,541	7,948	6,712	5,359	1,353	2,966	2,565	401
1968 .....	36,141	27,175	8,966	7,309	5,678	1,631	3,511	3,028	483
1969 .....	41,280	31,190	10,090	7,799	6,033	1,766	3,815	3,277	538
1970 .....	44,447	33,747	10,700	7,619	5,655	1,964	4,165	3,627	538
1971 .....	45,728	34,712	11,016	7,604	5,546	2,058	4,557	3,897	660
1972 .....	48,291	36,514	11,777	8,200	6,014	2,186	4,454	3,781	673
1973 .....	54,687	40,908	13,779	8,514	6,406	2,108	4,503	3,714	789
1974 .....	61,906	45,174	16,732	8,866	6,633	2,233	4,304	3,524	780
1975 .....	66,321	46,937	19,384	9,030	6,755	2,275	4,402	3,553	849
1976 .....	70,004	48,168	21,836	9,223	6,752	2,471	4,361	3,508	853
1977 .....	70,589	47,339	23,250	10,060	7,219	2,841	4,266	3,423	843
1978 .....	69,215	44,852	24,363	10,001	6,981	3,020	4,369	3,411	958
1979 .....	66,781	41,994	24,787	10,016	6,785	3,231	4,501	3,470	1,031
1980 .....	63,942	38,931	25,011	9,631	6,502	3,129	4,715	3,565	1,150
1981 .....	59,922	35,265	24,657	9,107	6,061	3,046	4,785	3,564	1,221
1982 .....	57,535	33,222	24,313	9,199	5,896	3,303	4,844	3,552	1,292
1983 .....	55,411	31,132	24,279	9,136	5,703	3,433	4,756	3,390	1,366
1984 .....	52,351	29,108	23,243	8,702	5,303	3,399	4,877	3,529	1,348
1985 .....	51,312	28,172	23,140	8,208	4,881	3,327	4,903	3,494	1,409
1986 .....	50,441	27,488	22,953	8,023	4,679	3,344	4,804	3,352	1,452
1987 .....	48,571	26,168	22,403	7,775	4,437	3,338	4,815	3,284	1,531
1988 .....	46,925	24,550	22,375	7,556	4,312	3,244	5,126	3,435	1,691
1989 .....	45,531	23,852	21,679	7,523	4,210	3,313	5,202	3,433	1,769
1990 .....	46,451	24,050	22,401	7,527	4,080	3,447	5,502	3,641	1,861
1991 .....	48,783	25,007	23,776	7,406	3,975	3,431	5,723	3,724	1,982
1992 .....	54,193	27,473	26,720	7,885	4,227	3,658	5,862	3,776	2,064
1993 .....	59,621	30,439	29,182	8,112	4,381	3,731	6,060	3,750	2,278
1994 .....	65,268	33,347	31,921	8,686	4,515	4,171	6,281	3,903	2,358
1995 .....	71,470	35,915	35,555	9,069	4,740	4,329	6,412	3,936	2,445
1996 .....	78,469	39,100	39,369	10,307	5,259	5,048	6,760	4,041	2,697
1997 .....	82,500	39,967	42,533	10,521	5,308	5,213	6,768	3,975	2,754
1998 .....	85,079	40,235	44,844	10,230	5,167	5,063	6,891	4,039	2,836

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 48. Agricultural science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	6,327	6,196	131	1,641	1,569	72	576	568	8
1967 .....	7,013	6,855	158	1,724	1,652	72	606	594	12
1968 .....	7,431	7,182	249	1,792	1,715	77	684	677	7
1969 .....	8,892	8,527	365	2,034	1,937	97	723	711	12
1970 .....	10,144	9,686	458	1,784	1,664	120	804	781	23
1971 .....	9,695	9,250	445	1,848	1,733	115	903	874	29
1972 .....	10,653	10,023	630	2,074	1,915	159	854	824	30
1973 .....	12,015	11,060	955	2,220	2,036	184	855	824	31
1974 .....	13,050	11,696	1,354	2,285	2,066	219	820	779	41
1975 .....	14,085	12,117	1,968	2,439	2,140	299	905	862	43
1976 .....	15,091	12,374	2,717	2,602	2,234	368	788	738	50
1977 .....	16,396	12,865	3,531	2,906	2,481	425	782	726	56
1978 .....	17,002	12,862	4,140	3,150	2,560	590	853	788	65
1979 .....	17,205	12,523	4,682	3,137	2,498	639	855	775	80
1980 .....	16,831	11,796	5,035	3,095	2,391	704	912	815	97
1981 .....	15,876	10,805	5,071	3,092	2,386	706	982	848	134
1982 .....	15,108	10,158	4,950	3,268	2,446	822	951	800	151
1983 .....	14,528	9,206	5,322	3,395	2,467	928	1,015	882	133
1984 .....	12,712	8,160	4,552	3,262	2,293	969	997	864	133
1985 .....	11,907	7,737	4,170	3,113	2,215	898	1,110	939	171
1986 .....	10,932	7,092	3,840	2,975	2,050	925	997	825	172
1987 .....	9,524	6,129	3,395	2,776	1,882	894	976	805	171
1988 .....	9,237	5,942	3,295	2,746	1,873	873	1,015	829	186
1989 .....	8,582	5,557	3,025	2,570	1,719	851	1,086	859	227
1990 .....	8,411	5,419	2,992	2,634	1,687	947	1,174	928	246
1991 .....	8,432	5,292	3,140	2,600	1,660	940	1,073	860	209
1992 .....	10,301	6,352	3,949	3,037	1,909	1,128	1,063	824	233
1993 .....	11,632	7,294	4,338	3,272	2,007	1,265	968	736	228
1994 .....	12,947	8,006	4,941	3,410	2,019	1,391	1,078	827	249
1995 .....	14,580	8,943	5,637	3,574	2,103	1,471	1,036	804	228
1996 .....	16,388	9,884	6,504	4,021	2,314	1,707	1,037	755	282
1997 .....	17,361	10,094	7,267	3,927	2,232	1,695	982	715	260
1998 .....	17,967	10,224	7,743	3,862	2,153	1,709	1,037	738	298

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 49. Biological science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	23,477	16,143	7,334	4,224	3,077	1,147	2,135	1,818	317
1967 .....	25,476	17,686	7,790	4,988	3,707	1,281	2,360	1,971	389
1968 .....	28,710	19,993	8,717	5,517	3,963	1,554	2,827	2,351	476
1969 .....	32,388	22,663	9,725	5,765	4,096	1,669	3,092	2,566	526
1970 .....	34,303	24,061	10,242	5,835	3,991	1,844	3,361	2,846	515
1971 .....	36,033	25,462	10,571	5,756	3,813	1,943	3,654	3,023	631
1972 .....	37,638	26,491	11,147	6,126	4,099	2,027	3,600	2,957	643
1973 .....	42,672	29,848	12,824	6,294	4,370	1,924	3,648	2,890	758
1974 .....	48,856	33,478	15,378	6,581	4,567	2,014	3,484	2,745	739
1975 .....	52,236	34,820	17,416	6,591	4,615	1,976	3,497	2,691	806
1976 .....	54,913	35,794	19,119	6,621	4,518	2,103	3,573	2,770	803
1977 .....	54,193	34,474	19,719	7,154	4,738	2,416	3,484	2,697	787
1978 .....	52,213	31,990	20,223	6,851	4,421	2,430	3,516	2,623	893
1979 .....	49,576	29,471	20,105	6,879	4,287	2,592	3,646	2,695	951
1980 .....	47,111	27,135	19,976	6,536	4,111	2,425	3,803	2,750	1,053
1981 .....	44,046	24,460	19,586	6,015	3,675	2,340	3,803	2,716	1,087
1982 .....	42,427	23,064	19,363	5,931	3,450	2,481	3,893	2,752	1,141
1983 .....	40,883	21,926	18,957	5,741	3,236	2,505	3,741	2,508	1,233
1984 .....	39,639	20,948	18,691	5,440	3,010	2,430	3,880	2,665	1,215
1985 .....	39,405	20,435	18,970	5,095	2,666	2,429	3,793	2,555	1,238
1986 .....	39,509	20,396	19,113	5,048	2,629	2,419	3,807	2,527	1,280
1987 .....	39,047	20,039	19,008	4,999	2,555	2,444	3,839	2,479	1,360
1988 .....	37,688	18,608	19,080	4,810	2,439	2,371	4,111	2,606	1,505
1989 .....	36,949	18,295	18,654	4,953	2,491	2,462	4,116	2,574	1,542
1990 .....	38,040	18,631	19,409	4,893	2,393	2,500	4,328	2,713	1,615
1991 .....	40,351	19,715	20,636	4,806	2,315	2,491	4,650	2,864	1,773
1992 .....	43,892	21,121	22,771	4,848	2,318	2,530	4,799	2,952	1,831
1993 .....	47,989	23,145	24,844	4,840	2,374	2,466	5,092	3,014	2,050
1994 .....	52,321	25,341	26,980	5,276	2,496	2,780	5,203	3,076	2,109
1995 .....	56,890	26,972	29,918	5,495	2,637	2,858	5,376	3,132	2,217
1996 .....	62,081	29,216	32,865	6,286	2,945	3,341	5,723	3,286	2,415
1997 .....	65,139	29,873	35,266	6,594	3,076	3,518	5,786	3,260	2,494
1998 .....	67,112	30,011	37,101	6,368	3,014	3,354	5,854	3,301	2,538

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 50. Psychology degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	16,966	10,038	6,928	2,423	1,625	798	1,139	894	245
1967 .....	19,435	11,657	7,778	2,898	1,971	927	1,295	1,030	265
1968 .....	23,921	13,791	10,130	3,240	2,229	1,011	1,464	1,131	333
1969 .....	29,458	16,758	12,700	3,738	2,584	1,154	1,766	1,350	416
1970 .....	33,784	19,067	14,717	3,962	2,484	1,478	1,890	1,446	444
1971 .....	38,154	21,117	17,037	4,438	2,787	1,651	2,145	1,615	530
1972 .....	43,421	23,267	20,154	5,293	3,260	2,033	2,279	1,670	609
1973 .....	48,096	25,110	22,986	5,882	3,515	2,367	2,458	1,741	717
1974 .....	52,256	25,849	26,407	6,616	3,986	2,630	2,598	1,797	801
1975 .....	51,436	24,333	27,103	7,104	4,059	3,045	2,751	1,878	873
1976 .....	50,363	22,987	27,376	7,859	4,188	3,671	2,883	1,937	946
1977 .....	47,794	20,692	27,102	8,320	4,316	4,004	2,990	1,902	1,088
1978 .....	45,057	18,517	26,540	8,194	3,931	4,263	3,055	1,928	1,127
1979 .....	43,012	16,649	26,363	8,031	3,688	4,343	3,091	1,831	1,260
1980 .....	42,513	15,590	26,923	7,861	3,397	4,464	3,098	1,787	1,311
1981 .....	41,364	14,447	26,917	8,039	3,371	4,668	3,358	1,885	1,473
1982 .....	41,539	13,756	27,783	7,849	3,228	4,621	3,159	1,721	1,438
1983 .....	40,825	13,228	27,597	8,439	3,254	5,185	3,347	1,750	1,597
1984 .....	40,375	12,949	27,426	8,073	2,980	5,093	3,257	1,626	1,631
1985 .....	40,237	12,815	27,422	8,481	3,064	5,417	3,118	1,577	1,541
1986 .....	40,937	12,691	28,246	8,363	2,937	5,426	3,126	1,527	1,599
1987 .....	43,195	13,399	29,796	8,165	2,838	5,327	3,173	1,475	1,698
1988 .....	45,378	13,584	31,794	7,925	2,599	5,326	3,074	1,392	1,681
1989 .....	48,954	14,291	34,663	8,652	2,814	5,838	3,208	1,408	1,800
1990 .....	54,018	15,399	38,619	9,308	3,025	6,283	3,281	1,368	1,913
1991 .....	58,893	16,155	42,738	9,802	2,994	6,808	3,250	1,249	1,996
1992 .....	64,033	17,130	46,903	9,852	2,929	6,923	3,263	1,328	1,928
1993 .....	67,251	18,029	49,222	10,412	2,928	7,484	3,420	1,322	2,088
1994 .....	69,768	18,749	51,019	11,572	3,287	8,285	3,379	1,273	2,101
1995 .....	72,601	19,638	52,963	13,132	3,735	9,397	3,429	1,246	2,180
1996 .....	73,828	19,965	53,863	13,043	3,670	9,373	3,491	1,160	2,328
1997 .....	74,734	19,491	55,243	13,633	3,715	9,918	3,571	1,165	2,372
1998 .....	74,457	19,057	55,400	13,146	3,606	9,540	3,685	1,210	2,460

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 51. Social science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	64,364	42,304	22,060	9,081	7,251	1,830	1,591	1,424	167
1967 .....	72,398	47,257	25,141	10,348	8,263	2,085	1,911	1,699	212
1968 .....	85,395	54,820	30,575	11,434	8,962	2,472	2,162	1,906	256
1969 .....	100,059	63,544	36,515	12,983	10,050	2,933	2,437	2,156	281
1970 .....	110,596	70,133	40,463	13,490	10,035	3,455	2,935	2,604	331
1971 .....	116,411	72,618	43,793	14,914	11,011	3,903	3,442	2,992	450
1972 .....	120,917	76,235	44,682	16,334	12,161	4,173	3,568	3,088	480
1973 .....	123,206	77,658	45,548	17,720	13,235	4,485	3,737	3,151	586
1974 .....	120,974	75,487	45,487	18,378	13,557	4,821	3,689	3,016	673
1975 .....	111,711	68,723	42,988	19,459	13,976	5,483	3,787	3,035	752
1976 .....	107,042	65,467	41,575	19,953	14,163	5,790	3,885	3,061	824
1977 .....	100,739	60,181	40,558	21,209	14,906	6,303	3,730	2,932	798
1978 .....	98,961	57,773	41,188	21,023	14,579	6,444	3,613	2,736	877
1979 .....	95,891	54,714	41,177	19,372	12,892	6,480	3,491	2,596	895
1980 .....	93,119	51,419	41,700	18,938	12,343	6,595	3,372	2,464	908
1981 .....	91,243	49,774	41,469	18,740	11,851	6,889	3,416	2,511	905
1982 .....	92,026	49,504	42,522	18,794	11,701	7,093	3,335	2,415	920
1983 .....	87,826	47,164	40,662	17,851	10,847	7,004	3,326	2,315	1,011
1984 .....	85,703	46,610	39,093	17,176	10,321	6,855	3,249	2,244	1,005
1985 .....	84,796	45,955	38,841	17,148	10,209	6,939	3,217	2,188	1,029
1986 .....	86,621	47,152	39,469	17,221	10,132	7,089	3,324	2,207	1,117
1987 .....	88,740	48,101	40,639	17,160	9,958	7,202	3,164	2,153	1,011
1988 .....	91,339	49,548	41,791	17,220	9,982	7,238	3,236	2,111	1,125
1989 .....	97,783	52,597	45,186	17,983	10,154	7,829	3,324	2,189	1,135
1990 .....	105,350	56,610	48,740	18,230	10,251	7,979	3,332	2,221	1,111
1991 .....	111,212	58,745	52,467	18,915	10,288	8,627	3,556	2,230	1,313
1992 .....	118,133	61,712	56,421	19,685	10,562	9,123	3,610	2,284	1,299
1993 .....	119,334	61,763	57,571	20,775	11,002	9,773	3,769	2,315	1,422
1994 .....	117,505	59,929	57,576	22,405	11,722	10,683	3,901	2,435	1,443
1995 .....	112,711	56,618	56,093	23,259	11,925	11,334	3,878	2,386	1,466
1996 .....	111,789	54,955	56,834	23,996	11,958	12,038	3,999	2,520	1,461
1997 .....	111,050	53,501	57,549	23,793	11,645	12,148	4,111	2,480	1,591
1998 .....	110,806	52,683	58,123	23,732	11,733	11,999	4,058	2,356	1,684

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 52. Economics degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	12,274	11,130	1,144	1,901	1,722	179	627	600	27
1967 .....	13,829	12,491	1,338	2,147	1,967	180	691	655	36
1968 .....	16,207	14,569	1,638	2,358	2,148	210	747	712	35
1969 .....	17,909	16,095	1,814	2,537	2,282	255	800	756	44
1970 .....	18,325	16,436	1,889	2,396	2,131	265	967	915	52
1971 .....	17,137	15,214	1,923	2,415	2,139	276	990	933	57
1972 .....	16,408	14,578	1,830	2,636	2,340	296	1,056	995	61
1973 .....	15,848	13,772	2,076	2,662	2,360	302	1,121	1,058	63
1974 .....	15,596	13,438	2,158	2,560	2,234	326	1,035	955	80
1975 .....	15,160	12,677	2,483	2,522	2,171	351	1,057	968	89
1976 .....	16,025	13,032	2,993	2,560	2,174	386	1,047	950	97
1977 .....	16,674	13,027	3,647	2,662	2,231	431	983	904	79
1978 .....	17,443	13,333	4,110	2,549	2,091	458	960	862	98
1979 .....	18,150	13,383	4,767	2,468	2,018	450	956	840	116
1980 .....	19,736	14,024	5,712	2,386	1,907	479	927	811	116
1981 .....	20,700	14,650	6,050	2,498	1,941	557	993	879	114
1982 .....	21,880	15,037	6,843	2,506	1,913	593	940	820	120
1983 .....	22,410	15,163	7,247	2,568	1,957	611	971	820	151
1984 .....	22,874	15,359	7,515	2,482	1,891	591	952	799	153
1985 .....	23,073	15,400	7,673	2,532	1,920	612	959	814	145
1986 .....	23,796	15,842	7,954	2,496	1,880	616	1,019	838	181
1987 .....	24,402	16,335	8,067	2,321	1,739	582	960	797	163
1988 .....	24,757	16,793	7,964	2,314	1,736	578	1,008	810	198
1989 .....	25,301	17,224	8,077	2,333	1,699	634	1,062	864	198
1990 .....	25,587	17,706	7,881	2,456	1,831	625	1,007	807	200
1991 .....	25,302	17,725	7,577	2,411	1,711	700	1,053	833	217
1992 .....	24,976	17,556	7,420	2,564	1,852	712	1,051	821	219
1993 .....	22,973	16,161	6,812	2,725	1,909	816	1,067	808	246
1994 .....	20,945	14,810	6,135	2,989	2,030	959	1,101	845	249
1995 .....	19,083	13,235	5,848	2,838	1,944	894	1,152	864	279
1996 .....	17,896	12,524	5,372	2,964	1,962	1,002	1,177	905	263
1997 .....	17,701	12,253	5,448	2,804	1,851	953	1,163	876	266
1998 .....	18,244	12,453	5,791	2,843	1,899	944	1,155	840	311

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 53. Political science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	16,842	13,113	3,729	3,065	2,643	422	408	373	35
1967 .....	19,332	15,063	4,269	3,326	2,782	544	501	463	38
1968 .....	22,330	17,466	4,864	3,678	3,112	566	580	514	66
1969 .....	25,782	20,369	5,413	3,964	3,333	631	558	505	53
1970 .....	27,553	22,002	5,551	4,106	3,397	709	636	574	62
1971 .....	29,562	23,516	6,046	4,875	3,977	898	821	724	97
1972 .....	30,677	24,769	5,908	5,573	4,634	939	911	817	94
1973 .....	33,519	26,771	6,748	6,751	5,512	1,239	908	789	119
1974 .....	33,465	26,607	6,858	6,766	5,653	1,113	909	785	124
1975 .....	32,500	24,864	7,636	7,724	6,139	1,585	863	721	142
1976 .....	32,626	24,175	8,451	8,694	6,863	1,831	887	750	137
1977 .....	30,972	22,170	8,802	10,162	7,874	2,288	879	737	142
1978 .....	30,440	20,788	9,652	10,346	7,695	2,651	851	701	150
1979 .....	30,292	20,014	10,278	10,096	7,122	2,974	767	627	140
1980 .....	30,164	19,108	11,056	10,006	6,917	3,089	730	586	144
1981 .....	30,091	18,655	11,436	9,952	6,632	3,320	679	544	135
1982 .....	31,630	19,069	12,561	10,210	6,565	3,645	709	555	154
1983 .....	31,871	18,679	13,192	9,715	6,109	3,606	655	505	150
1984 .....	31,888	18,725	13,163	9,401	5,805	3,596	695	530	165
1985 .....	32,378	18,799	13,579	9,481	5,785	3,696	666	491	175
1986 .....	33,176	19,167	14,009	9,660	5,839	3,821	659	463	196
1987 .....	33,876	19,365	14,511	9,933	5,830	4,103	647	472	175
1988 .....	34,689	19,837	14,852	9,880	5,807	4,073	634	470	164
1989 .....	38,246	21,622	16,624	10,314	5,917	4,397	700	499	201
1990 .....	41,618	23,563	18,055	9,941	5,663	4,278	734	564	170
1991 .....	44,257	24,648	19,609	10,392	5,752	4,640	740	527	211
1992 .....	47,214	26,319	20,895	10,767	5,834	4,933	804	565	235
1993 .....	47,936	26,701	21,235	11,310	6,069	5,241	824	569	246
1994 .....	45,610	25,136	20,474	12,041	6,417	5,624	930	643	282
1995 .....	41,978	23,010	18,968	12,802	6,678	6,124	894	619	266
1996 .....	39,928	21,578	18,350	13,370	6,716	6,654	928	620	305
1997 .....	37,807	19,953	17,854	13,368	6,677	6,691	974	674	297
1998 .....	36,654	19,334	17,320	13,151	6,585	6,566	962	596	365

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 54. Sociology degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	15,203	6,139	9,064	981	680	301	260	220	40
1967 .....	17,751	7,163	10,588	1,193	837	356	331	271	60
1968 .....	22,062	8,577	13,485	1,193	790	403	370	297	73
1969 .....	26,555	10,342	16,213	1,656	1,125	531	413	331	82
1970 .....	30,848	12,445	18,403	1,816	1,139	677	505	412	93
1971 .....	33,667	13,706	19,961	1,815	1,136	679	587	471	116
1972 .....	35,630	15,334	20,296	1,987	1,218	769	639	501	138
1973 .....	35,996	15,747	20,249	1,950	1,167	783	599	445	154
1974 .....	35,915	15,325	20,590	2,236	1,346	890	645	460	185
1975 .....	31,858	13,347	18,511	2,135	1,319	816	680	470	210
1976 .....	27,992	11,391	16,601	2,035	1,177	858	734	511	223
1977 .....	25,008	9,814	15,194	1,851	1,024	827	725	488	237
1978 .....	23,073	8,461	14,612	1,650	898	752	610	386	224
1979 .....	20,546	7,156	13,390	1,451	757	694	632	400	232
1980 .....	19,181	6,391	12,790	1,372	683	689	600	369	231
1981 .....	17,592	5,361	12,231	1,255	598	657	605	363	242
1982 .....	16,333	4,889	11,444	1,183	541	642	568	354	214
1983 .....	14,347	4,363	9,984	1,157	515	642	551	323	228
1984 .....	13,347	4,293	9,054	1,015	461	554	534	300	234
1985 .....	12,165	3,767	8,398	1,045	470	575	486	243	243
1986 .....	12,397	3,862	8,535	986	440	546	506	285	221
1987 .....	12,359	3,897	8,462	970	425	545	449	274	175
1988 .....	13,085	4,086	8,999	1,013	437	576	468	219	249
1989 .....	14,393	4,488	9,905	1,169	507	662	458	226	232
1990 .....	15,993	5,047	10,946	1,213	501	712	448	230	218
1991 .....	17,632	5,427	12,205	1,293	514	779	493	247	246
1992 .....	19,644	6,124	13,520	1,379	561	818	512	262	250
1993 .....	21,007	6,638	14,369	1,564	604	960	535	279	255
1994 .....	22,468	7,155	15,313	1,675	652	1,023	548	261	283
1995 .....	22,974	7,435	15,539	1,790	678	1,112	555	258	294
1996 .....	24,169	7,794	16,375	1,822	642	1,180	527	246	276
1997 .....	24,750	7,846	16,904	1,752	610	1,142	601	265	334
1998 .....	24,884	7,762	17,122	1,774	656	1,118	581	261	318

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 55. Other social science degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	20,045	11,922	8,123	3,134	2,206	928	296	231	65
1967 .....	21,486	12,540	8,946	3,682	2,677	1,005	388	310	78
1968 .....	24,796	14,208	10,588	4,205	2,912	1,293	465	383	82
1969 .....	29,813	16,738	13,075	4,826	3,310	1,516	666	564	102
1970 .....	33,870	19,250	14,620	5,172	3,368	1,804	827	703	124
1971 .....	36,045	20,182	15,863	5,809	3,759	2,050	1,044	864	180
1972 .....	38,202	21,554	16,648	6,138	3,969	2,169	962	775	187
1973 .....	37,843	21,368	16,475	6,357	4,196	2,161	1,109	859	250
1974 .....	35,998	20,117	15,881	6,816	4,324	2,492	1,100	816	284
1975 .....	32,193	17,835	14,358	7,078	4,347	2,731	1,187	876	311
1976 .....	30,399	16,869	13,530	6,664	3,949	2,715	1,217	850	367
1977 .....	28,085	15,170	12,915	6,534	3,777	2,757	1,143	803	340
1978 .....	28,005	15,191	12,814	6,478	3,895	2,583	1,192	787	405
1979 .....	26,903	14,161	12,742	5,357	2,995	2,362	1,136	729	407
1980 .....	24,038	11,896	12,142	5,174	2,836	2,338	1,115	698	417
1981 .....	22,860	11,108	11,752	5,035	2,680	2,355	1,139	725	414
1982 .....	22,183	10,509	11,674	4,895	2,682	2,213	1,118	686	432
1983 .....	19,198	8,959	10,239	4,411	2,266	2,145	1,149	667	482
1984 .....	17,594	8,233	9,361	4,278	2,164	2,114	1,068	615	453
1985 .....	17,180	7,989	9,191	4,090	2,034	2,056	1,106	640	466
1986 .....	17,252	8,281	8,971	4,079	1,973	2,106	1,140	621	519
1987 .....	18,103	8,504	9,599	3,936	1,964	1,972	1,108	610	498
1988 .....	18,808	8,832	9,976	4,013	2,002	2,011	1,126	612	514
1989 .....	19,843	9,263	10,580	4,167	2,031	2,136	1,104	600	504
1990 .....	22,152	10,294	11,858	4,620	2,256	2,364	1,143	620	523
1991 .....	24,021	10,945	13,076	4,819	2,311	2,508	1,270	623	639
1992 .....	26,299	11,713	14,586	4,975	2,315	2,660	1,243	636	595
1993 .....	27,418	12,263	15,155	5,176	2,420	2,756	1,343	659	675
1994 .....	28,482	12,828	15,654	5,700	2,623	3,077	1,322	686	629
1995 .....	28,676	12,938	15,738	5,829	2,625	3,204	1,277	645	627
1996 .....	29,796	13,059	16,737	5,840	2,638	3,202	1,367	749	617
1997 .....	30,792	13,449	17,343	5,869	2,507	3,362	1,373	665	694
1998 .....	31,024	13,134	17,890	5,964	2,593	3,371	1,360	659	690

**NOTE:** See section C for specific fields that are included in this field of study.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 56. Engineering technology degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	2,357	2,334	23	44	42	2	11	11	0
1967 .....	2,741	2,714	27	107	106	1	5	5	0
1968 .....	3,173	3,151	22	65	65	0	1	1	0
1969 .....	4,284	4,263	21	156	156	0	32	32	0
1970 .....	5,228	5,175	53	158	151	7	27	26	1
1971 .....	5,626	5,436	190	220	190	30	1	1	0
1972 .....	6,252	6,065	187	394	337	57	21	21	0
1973 .....	5,212	5,061	151	220	177	43	19	19	0
1974 .....	8,302	7,935	367	346	286	60	11	11	0
1975 .....	8,589	8,054	535	371	281	90	5	3	2
1976 .....	9,180	8,656	524	493	424	69	10	9	1
1977 .....	9,864	9,173	691	505	389	116	12	9	3
1978 .....	10,314	9,495	819	579	480	99	15	13	2
1979 .....	10,906	9,942	964	496	371	125	16	14	2
1980 .....	12,180	10,930	1,250	510	424	86	16	14	2
1981 .....	13,567	12,034	1,533	532	380	152	21	19	2
1982 .....	14,778	13,079	1,699	636	486	150	33	25	8
1983 .....	18,602	16,473	2,129	622	519	103	18	15	3
1984 .....	20,181	18,012	2,169	694	580	114	6	5	1
1985 .....	20,476	18,224	2,252	816	674	142	15	13	2
1986 .....	20,900	18,706	2,194	925	710	215	21	14	7
1987 .....	20,577	18,429	2,148	883	678	205	13	10	3
1988 .....	20,447	18,337	2,110	980	738	242	14	12	2
1989 .....	20,098	17,999	2,099	1,135	892	243	18	14	4
1990 .....	19,150	17,113	2,037	1,194	888	306	18	15	3
1991 .....	18,294	16,329	1,965	1,188	888	300	25	20	5
1992 .....	17,118	15,314	1,804	1,278	971	307	14	12	2
1993 .....	17,022	15,114	1,908	1,555	1,172	383	28	21	7
1994 .....	16,703	14,877	1,826	1,547	1,164	383	24	18	6
1995 .....	16,607	14,704	1,903	1,577	1,136	441	19	16	3
1996 .....	16,228	14,382	1,846	1,651	1,179	472	18	16	2
1997 .....	14,631	12,925	1,706	1,414	1,012	402	13	11	2
1998 .....	14,825	12,993	1,832	1,700	1,158	542	19	17	2

**NOTE:** Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 57. Health field degrees awarded, by degree level and sex of recipient: 1966-1998**

Academic year ending	Bachelor's			Master's			Doctoral		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1966 .....	18,373	6,709	11,664	2,862	1,615	1,247	174	155	19
1967 .....	19,268	6,898	12,370	3,437	1,789	1,648	177	160	17
1968 .....	20,624	6,986	13,638	3,749	1,879	1,870	196	169	27
1969 .....	22,856	7,349	15,507	4,082	2,023	2,059	297	253	44
1970 .....	24,871	7,878	16,993	4,640	2,216	2,424	414	343	71
1971 .....	21,662	5,297	16,365	5,465	2,419	3,046	541	438	103
1972 .....	24,713	6,394	18,319	6,871	2,993	3,878	467	370	97
1973 .....	29,175	7,022	22,153	7,861	3,314	4,547	486	359	127
1974 .....	35,885	8,314	27,571	9,000	3,476	5,524	476	355	121
1975 .....	42,865	9,672	33,193	9,793	3,633	6,160	462	319	143
1976 .....	47,312	10,200	37,112	11,700	3,839	7,861	503	347	156
1977 .....	50,752	10,691	40,061	11,964	3,751	8,213	511	332	179
1978 .....	52,829	10,329	42,500	13,361	3,863	9,498	512	316	196
1979 .....	55,484	9,890	45,594	14,546	4,076	10,470	568	339	229
1980 .....	57,402	10,140	47,262	14,863	4,036	10,827	586	334	252
1981 .....	57,762	9,466	48,296	15,829	4,059	11,770	657	356	301
1982 .....	57,997	9,105	48,892	15,783	3,754	12,029	686	362	324
1983 .....	55,662	8,365	47,297	14,056	3,230	10,826	639	302	337
1984 .....	55,398	8,153	47,245	14,334	3,173	11,161	722	306	416
1985 .....	55,351	7,892	47,459	14,346	3,139	11,207	729	289	440
1986 .....	56,297	7,923	48,374	15,529	3,469	12,060	770	290	480
1987 .....	55,658	7,479	48,179	15,236	2,979	12,257	800	325	475
1988 .....	53,552	7,333	46,219	15,767	3,180	12,587	882	333	549
1989 .....	52,485	7,392	45,093	16,041	3,233	12,808	974	345	629
1990 .....	52,271	7,675	44,596	16,960	3,491	13,469	956	364	592
1991 .....	52,784	7,995	44,789	17,671	3,393	14,278	1,037	369	668
1992 .....	56,047	8,607	47,440	21,053	4,094	16,959	1,104	394	710
1993 .....	60,699	9,671	51,028	23,646	4,639	19,007	1,185	408	777
1994 .....	67,359	11,049	56,310	25,868	5,192	20,676	1,287	444	843
1995 .....	72,326	12,499	59,827	28,716	6,027	22,689	1,321	478	843
1996 .....	76,267	13,467	62,800	30,990	6,399	24,591	1,316	456	860
1997 .....	77,769	13,940	63,829	33,177	6,882	26,295	1,407	470	937
1998 .....	76,959	13,378	63,581	35,894	7,611	28,283	1,497	489	1,008

**NOTE:** Health fields include: Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, and Veterinary Medicine.

**SOURCES:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS: Survey of Earned Doctorates

**Table 58. First-professional degrees awarded,  
by sex of recipient: 1966-1998**

Academic year ending	Total	Men	Women	Percent women
1966 .....	31,496	30,071	1,425	4.5
1967 .....	32,493	31,064	1,429	4.4
1968 .....	34,728	33,083	1,645	4.7
1969 .....	35,681	34,069	1,612	4.5
1970 .....	35,252	33,344	1,908	5.4
1971 .....	38,276	35,797	2,479	6.5
1972 .....	43,774	41,021	2,753	6.3
1973 .....	50,435	46,827	3,608	7.2
1974 .....	54,278	48,904	5,374	9.9
1975 .....	56,259	49,230	7,029	12.5
1976 .....	63,061	53,210	9,851	15.6
1977 .....	64,780	52,668	12,112	18.7
1978 .....	66,964	52,553	14,411	21.5
1979 .....	69,222	52,909	16,313	23.6
1980 .....	70,526	52,988	17,538	24.9
1981 .....	72,369	53,070	19,299	26.7
1982 .....	72,554	52,551	20,003	27.6
1983 .....	73,569	51,591	21,978	29.9
1984 .....	74,900	51,644	23,256	31.0
1985 .....	75,562	50,780	24,782	32.8
1986 .....	74,581	49,661	24,920	33.4
1987 .....	72,120	46,841	25,279	35.1
1988 .....	71,144	45,716	25,428	35.7
1989 .....	71,318	45,399	25,919	36.3
1990 .....	71,551	44,309	27,242	38.1
1991 .....	72,636	44,226	28,410	39.1
1992 .....	74,801	45,459	29,342	39.2
1993 .....	76,068	45,565	30,503	40.1
1994 .....	76,000	45,068	30,932	40.7
1995 .....	76,457	45,193	31,264	40.9
1996 .....	77,505	45,182	32,323	41.7
1997 .....	79,169	45,747	33,422	42.2
1998 .....	78,945	45,033	33,912	43.0

**NOTES:** First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training.

First-professional degrees include: Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, Veterinary Medicine, Law, Divinity/Ministry, and Rabbinical and Talmudic Studies.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 59. First-professional degrees awarded in health fields, by sex of recipient: 1966-1998**

Academic year ending	Total	Men	Women	Percent women
1966 .....	13,291	12,599	692	5.2
1967 .....	13,373	12,639	734	5.5
1968 .....	13,815	12,974	841	6.1
1969 .....	13,759	13,018	741	5.4
1970 .....	14,454	13,578	876	6.1
1971 .....	15,258	14,256	1,002	6.6
1972 .....	15,905	14,864	1,041	6.5
1973 .....	17,355	16,189	1,166	6.7
1974 .....	19,156	17,577	1,579	8.2
1975 .....	20,582	18,475	2,107	10.2
1976 .....	24,787	21,639	3,148	12.7
1977 .....	24,533	20,731	3,802	15.5
1978 .....	25,981	21,286	4,695	18.1
1979 .....	27,228	21,865	5,363	19.7
1980 .....	27,576	21,841	5,735	20.8
1981 .....	28,971	22,456	6,515	22.5
1982 .....	29,494	22,657	6,837	23.2
1983 .....	30,087	22,562	7,525	25.0
1984 .....	30,785	22,452	8,333	27.1
1985 .....	30,601	21,675	8,926	29.2
1986 .....	31,051	21,696	9,355	30.1
1987 .....	29,400	20,011	9,389	31.9
1988 .....	28,833	19,304	9,529	33.0
1989 .....	29,518	19,596	9,922	33.6
1990 .....	28,787	18,562	10,225	35.5
1991 .....	28,183	17,777	10,406	36.9
1992 .....	28,303	17,694	10,609	37.5
1993 .....	29,475	17,704	11,771	39.9
1994 .....	29,680	17,565	12,115	40.8
1995 .....	30,757	17,975	12,782	41.6
1996 .....	31,250	17,927	13,323	42.6
1997 .....	32,114	18,308	13,806	43.0
1998 .....	33,566	18,784	14,782	44.0

**NOTES:** First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training.

Health fields include: Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, and Veterinary Medicine.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**Table 60. First-professional degrees awarded in non-health fields, by sex of recipient: 1966-1998**

Academic year ending	Total	Men	Women	Percent women
1966 .....	18,205	17,472	733	4.0
1967 .....	19,120	18,425	695	3.6
1968 .....	20,913	20,109	804	3.8
1969 .....	21,922	21,051	871	4.0
1970 .....	20,798	19,766	1,032	5.0
1971 .....	23,018	21,541	1,477	6.4
1972 .....	27,869	26,157	1,712	6.1
1973 .....	33,080	30,638	2,442	7.4
1974 .....	35,122	31,327	3,795	10.8
1975 .....	35,677	30,755	4,922	13.8
1976 .....	38,274	31,571	6,703	17.5
1977 .....	40,247	31,937	8,310	20.6
1978 .....	40,983	31,267	9,716	23.7
1979 .....	41,994	31,044	10,950	26.1
1980 .....	42,950	31,147	11,803	27.5
1981 .....	43,398	30,614	12,784	29.5
1982 .....	43,060	29,894	13,166	30.6
1983 .....	43,482	29,029	14,453	33.2
1984 .....	44,115	29,192	14,923	33.8
1985 .....	44,961	29,105	15,856	35.3
1986 .....	43,530	27,965	15,565	35.8
1987 .....	42,720	26,830	15,890	37.2
1988 .....	42,311	26,412	15,899	37.6
1989 .....	41,800	25,803	15,997	38.3
1990 .....	42,764	25,747	17,017	39.8
1991 .....	44,453	26,449	18,004	40.5
1992 .....	46,498	27,765	18,733	40.3
1993 .....	46,593	27,861	18,732	40.2
1994 .....	46,320	27,503	18,817	40.6
1995 .....	45,700	27,218	18,482	40.4
1996 .....	46,255	27,255	19,000	41.1
1997 .....	47,055	27,439	19,616	41.7
1998 .....	45,379	26,249	19,130	42.2

**NOTES:** First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training.

Non-health fields include: Law, Divinity/Ministry, and Rabbinical and Talmudic Studies.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Studies; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

**SECTION C.**  
**CLASSIFICATION OF PROGRAMS**

**Current Classification Schemes for the Integrated Postsecondary Education Data System  
(IPEDS) Completions Survey and the Survey of Earned Doctorates**

<i>Fields of study from the IPEDS/ Classification of Instructional Programs</i>	<i>Fields of study from the Survey of Earned Doctorates classification</i>
<b>ENGINEERING</b>	<b>ENGINEERING</b>
<b>Aeronautical/Astronautical Engineering</b>	<b>Aeronautical/Astronautical Engineering</b>
14.02 Aerospace, Aeronautical, and Astronautical Engineering	300 Aerospace, Aeronautical, and Astronautical Engineering
<b>Chemical Engineering</b>	<b>Chemical Engineering</b>
14.07 Chemical Engineering	312 Chemical Engineering
14.25 Petroleum Engineering	366 Petroleum Engineering
14.32 Polymer/Plastics Engineering	369 Polymer and Plastics Engineering
	547 Fuel Technology and Petroleum Engineering
<b>Civil Engineering</b>	<b>Civil Engineering</b>
14.04 Architectural Engineering	315 Civil Engineering
14.08 Civil Engineering	336 Environmental Health Engineering
14.14 Environmental/Environmental Health Engineering	
<b>Electrical Engineering</b>	<b>Electrical Engineering</b>
14.09 Computer Engineering	318 Communications Engineering
14.10 Electrical, Electronics, and Communications Engineering	321 Computer Engineering
	322 Electrical Engineering
	323 Electronics Engineering
	324 Electrical and Electronics Engineering
<b>Industrial Engineering</b>	<b>Industrial Engineering</b>
14.17 Industrial/Manufacturing Engineering	339 Industrial and Manufacturing Engineering
14.30 Engineering/Industrial Management	
<b>Mechanical Engineering</b>	<b>Mechanical Engineering</b>
14.11 Engineering Mechanics	327 Engineering Mechanics
14.19 Mechanical Engineering	345 Mechanical Engineering
<b>Materials/Metallurgical Engineering</b>	<b>Materials/Metallurgical Engineering</b>
14.06 Ceramic Sciences and Engineering	309 Ceramic Sciences
14.18 Materials Engineering	342 Materials Science
14.20 Metallurgical Engineering	348 Metallurgical Engineering
14.31 Materials Science	
40.0701 Metallurgy	
<b>Other Engineering</b>	<b>Other Engineering</b>
14.01 Engineering, General	303 Agricultural Engineering
14.03 Agricultural Engineering	306 Bioengineering and Biomedical Engineering
14.05 Bioengineering and Biomedical Engineering	330 Engineering Physics
14.12 Engineering Physics	333 Engineering Science
14.13 Engineering Science	351 Mining and Mineral Engineering
14.15 Geological Engineering	354 Naval Architecture and Marine Engineering
14.16 Geophysical Engineering	357 Nuclear Engineering
14.21 Mining and Mineral Engineering	360 Ocean Engineering
14.22 Naval Architecture and Marine Engineering	363 Operations Research
14.23 Nuclear Engineering	372 Systems Engineering
14.24 Ocean Engineering	375 Textile Engineering
	14.27 Systems Engineering

**Current Classification Schemes for the Integrated Postsecondary Education Data System  
(IPEDS) Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS/ <i>Classification of Instructional Programs</i>		Fields of study from the Survey of Earned Doctorates classification	
14.28	Textile Sciences and Engineering	398	Engineering, General
14.29	Engineering Design	399	Engineering, Other
14.99	Engineering, Other		
45.0702	Cartography		
<b>PHYSICAL SCIENCES</b>		<b>PHYSICAL SCIENCES</b>	
<b>Astronomy</b>		<b>Astronomy</b>	
40.02	Astronomy	500	Astronomy
40.03	Astrophysics	505	Astrophysics
		506	Astronomy and Astrophysics
<b>Chemistry</b>		<b>Chemistry</b>	
40.0501	Chemistry, General	520	Analytical Chemistry
40.0502	Analytical Chemistry	521	Agricultural and Food Chemistry
40.0503	Inorganic Chemistry	522	Inorganic Chemistry
40.0504	Organic Chemistry	524	Nuclear Chemistry
40.0505	Medicinal/Pharmaceutical Chemistry	526	Organic Chemistry
40.0506	Physical and Theoretical Chemistry	528	Pharmaceutical Chemistry
40.0507	Polymer Chemistry	530	Physical Chemistry
40.0599	Chemistry, Other	532	Polymer Chemistry
		534	Theoretical Chemistry
		538	Chemistry, General
		539	Chemistry, Other
<b>Physics</b>		<b>Physics</b>	
40.0801	Physics, General	560	Acoustics
40.0802	Chemical and Atomic/Molecular Physics	561	Chemical and Atomic/Molecular Physics
40.0804	Elementary Particle Physics	562	Electron Physics
40.0805	Plasma and High-Temperature Physics	563	Electromagnetic Physics
40.0806	Nuclear Physics	564	Elementary Particle Physics
40.0807	Optics	566	Fluids
40.0808	Solid State and Low-Temperature Physics	567	Mechanics
40.0809	Acoustics	568	Nuclear Physics
40.0810	Theoretical and Mathematical Physics	569	Optics
40.0899	Physics, Other	570	Plasma and High-Temperature Physics
		572	Polymer Physics
		573	Thermal Physics
		574	Solid State and Low-Temperature Physics
		575	Theoretical Physics
		578	Physics, General
		579	Physics, Other
<b>Other Physical Sciences</b>		<b>Other Physical Sciences</b>	
40.01	Physical Sciences, General	599	Physical Sciences, Other
40.0799	Miscellaneous Physical Sciences, Other		
40.99	Physical Sciences, Other		

**Current Classification Schemes for the Integrated Postsecondary Education Data System  
(IPEDS) Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS/ <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
<b>EARTH, ATMOSPHERIC, AND OCEAN SCIENCES</b>	<b>EARTH, ATMOSPHERIC, AND OCEAN SCIENCES</b>
<b>Atmospheric Sciences</b>	<b>Atmospheric Sciences</b>
40.04 Atmospheric Sciences and Meteorology	510 Atmospheric Physics and Chemistry
	512 Atmospheric Dynamics
	514 Meteorology
	518 Atmospheric Science/Meteorology, General
	519 Atmospheric Science/Meteorology, Other
<b>Geosciences</b>	<b>Geosciences</b>
40.0601 Geology	540 Geology
40.0602 Geochemistry	542 Geochemistry
40.0603 Geophysics and Seismology	544 Geophysics and Seismology
40.0604 Paleontology	545 Geophysics (Solid Earth)
40.0699 Geological and Related Sciences, Other	546 Paleontology
40.0703 Earth and Planetary Sciences	548 Mineralogy and Petrology
	549 Mineralogy, Petrology, and Geochemistry
	550 Stratigraphy and Sedimentation
	552 Geomorphology and Glacial Geology
	554 Applied Geology
	555 Applied Geology and Geological Engineering
	558 Geological and Related Sciences, General
	559 Geological and Related Sciences, Other
	585 Hydrology and Water Resources
<b>Oceanography</b>	<b>Oceanography</b>
40.0702 Oceanography	590 Oceanography
	595 Marine Sciences
	<b>Other Environmental Sciences</b>
	580 Environmental Science
<b>MATHEMATICAL/COMPUTER SCIENCES</b>	<b>MATHEMATICAL/COMPUTER SCIENCES</b>
<b>Mathematics</b>	<b>Mathematics</b>
27.01 Mathematics, General	420 Applied Mathematics
27.03 Applied Mathematics	425 Algebra
27.05 Mathematical Statistics	430 Analysis and Functional Analysis
27.99 Mathematics, Other	435 Geometry
52.0802 Actuarial Science	440 Logic
52.1302 Business Statistics	445 Number Theory
	450 Mathematical Statistics
	455 Topology
	460 Computing Theory and Practice
	465 Operations Research
	498 Mathematics, General
	499 Mathematics, Other
<b>Computer Science</b>	<b>Computer Science</b>
11.01 Computer and Information Sciences, General	400 Computer Science
11.02 Computer Programming	410 Information Science and Systems

# Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS/ <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
11.03 Data Processing Technology/Technician 11.04 Information Sciences and Systems 11.05 Computer Systems Analysis 11.0701 Computer Science 11.99 Computer and Information Sciences, Other 52.1204 Business Systems Networking and Telecommunications	
<b>BIOLOGICAL/AGRICULTURAL SCIENCES</b>	<b>BIOLOGICAL/AGRICULTURAL SCIENCES</b>
<b>Agricultural Sciences</b>	<b>Agricultural Sciences</b>
02.01 Agriculture/Agricultural Sciences, General	005 Animal Breeding and Genetics
02.02 Animal Sciences	007 Animal Husbandry
02.03 Food Sciences and Technology	010 Animal Nutrition
02.04 Plant Sciences	012 Dairy Science
02.05 Soil Sciences	014 Poultry Science
02.99 Agriculture/Agricultural Sciences, Other	019 Animal Sciences, Other
03.01 Natural Resources Conservation	020 Agronomy and Crop Science
03.02 Natural Resources Management and Protective Services	025 Plant Breeding and Genetics
03.03 Fishing and Fisheries Sciences and Management	030 Plant Pathology
03.05 Forestry and Related Sciences	032 Plant Protection/Pest Management
03.06 Wildlife and Wildlands Management	039 Plant Sciences, Other
03.99 Conservation and Renewable Natural Resources, Other	040 Food Sciences
	042 Food Distribution
	043 Food Engineering
	044 Food Sciences, Other
	045 Soil Sciences
	046 Soil Chemistry and Microbiology
	049 Soil Sciences, Other
	050 Horticulture Science
	054 Fish and Wildlife
	055 Fisheries Science and Management
	060 Wildlife Management
	065 Forestry Sciences
	066 Forest Biology
	068 Forest Engineering
	070 Forest Management
	072 Wood Science and Pulp/Paper Technology
	074 Conservation and Renewable Natural Resources
	079 Forestry and Related Sciences
	080 Wildlife and Range Management
	098 Agricultural Science, General
	099 Agricultural Science, Other
<b>Biological Sciences</b>	<b>Biological Sciences</b>
19.0505 Food Systems Administration	100 Biochemistry
26.01 Biology, General	103 Biomedical Sciences
26.02 Biochemistry and Biophysics	105 Biophysics
26.03 Botany	107 Biotechnology Research
26.04 Cell and Molecular Biology	110 Bacteriology
26.05 Microbiology/Bacteriology	115 Plant Genetics
26.0601 Anatomy	120 Plant Pathology

**Current Classification Schemes for the Integrated Postsecondary Education Data System  
(IPEDS) Completions Survey and the Survey of Earned Doctorates**

<i>Fields of study from the IPEDS/ Classification of Instructional Programs</i>		<i>Fields of study from the Survey of Earned Doctorates classification</i>	
26.0603	Ecology	125	Plant Physiology
26.0607	Marine/Aquatic Biology	129	Botany, Other
26.0608	Neurosciences	130	Anatomy
26.0609	Nutritional Sciences	133	Biometrics and Biostatistics
26.0610	Parasitology	136	Cell Biology
26.0611	Radiation Biology/Radiobiology	139	Ecology
26.0612	Toxicology	140	Hydrobiology
26.0613	Genetics, Plant and Animal	142	Embryology
26.0614	Biometrics	145	Endocrinology
26.0615	Biostatistics	148	Entomology
26.0616	Biotechnology Research	151	Biological Immunology
26.0617	Evolutionary Biology	154	Molecular Biology
26.0618	Biological Immunology	156	Microbiology and Bacteriology
26.0619	Virology	157	Microbiology
26.0699	Miscellaneous Biological Specializations, Other	160	Neuroscience
26.07	Zoology	163	Nutritional Sciences
26.99	Biological Sciences/Life Sciences, Other	166	Parasitology
30.10	Biopsychology	169	Toxicology
51.1303	Medical Biomathematics and Biometrics	170	Genetics, Human and Animal
51.1304	Medical Physics/Biophysics	171	Genetics
51.1305	Medical Cell Biology	175	Pathology, Human and Animal
51.1306	Medical Genetics	180	Pharmacology, Human and Animal
51.1309	Medical Molecular Biology	185	Physiology, Human and Animal
51.1310	Medical Neurobiology	186	Animal and Plant Physiology
51.1311	Medical Nutrition	189	Zoology, Other
		198	Biological Sciences, General
		199	Biological Sciences, Other
<b>PSYCHOLOGY</b>		<b>PSYCHOLOGY</b>	
42.01	Psychology, General	600	Clinical Psychology
42.02	Clinical Psychology	603	Cognitive Psychology and Psycholinguistics
42.03	Cognitive Psychology and Psycholinguistics	606	Comparative Psychology
42.04	Community Psychology	609	Counseling Psychology
42.06	Counseling Psychology	612	Developmental and Child Psychology
42.07	Developmental and Child Psychology	613	Human Indiv. & Family Development
42.08	Experimental Psychology	615	Experimental Psychology
42.09	Industrial and Organizational Psychology	616	Experimental, Comparative, and Physiological Psychology
42.11	Physiological Psychology/Psychobiology	618	Educational Psychology
42.16	Social Psychology	619	Human Engineering
42.99	Psychology, Other	620	Family and Marriage Counseling
51.2303	Hypnotherapy	621	Industrial and Organizational Psychology
51.2705	Psychoanalysis	624	Personality Psychology
		627	Physiological Psychology/Psychobiology
		630	Psychometrics
		633	Quantitative Psychology
		636	School Psychology
		639	Social Psychology
		648	Psychology, General
		649	Psychology, Other
		672	Human, Individual, and Family Development

## Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

[illegible]

**Current Classification Schemes for the Integrated Postsecondary Education Data System  
(IPEDS) Completions Survey and the Survey of Earned Doctorates**

<b>Fields of study from the IPEDS/ <i>Classification of Instructional Programs</i></b>		<b>Fields of study from the Survey of Earned Doctorates classification</b>	
22	Law and Legal Studies	298	Health Sciences, General
23	English Language and Literature/Letters	299	Health Sciences, Other
24	Liberal/General Studies		
25	Library and Archival Sciences		
28	Reserve Officer Training Corps (ROTC)	<b>HISTORY</b>	
29	Military Technologies	700	History, American
30	Multi-/Interdisciplinary Studies	705	History, European
31	Parks, Recreation, Leisure, and Fitness Studies	718	History, General
38	Philosophy and Religion	719	History, Other
39	Theological Studies and Religious Vocations		
41	Science Technologies	<b>ENGLISH AND LITERATURE</b>	
43	Protective Services	720	Classics
44	Public Administration and Services (Does not include Parks and Recreation Management, and Law Enforcement and Correction)	723	Comparative Literature
45.08	History (Except for 45.0804, History and Philosophy of Science and Technology)	725	English and American Literature
46	Construction Trades	732	Literature, American
47	Mechanics and Repairers	733	Literature, English
48	Precision Production Trades	734	English Language
49	Transportation and Materials Moving Workers	736	Speech and Rhetorical Studies
50	Visual and Performing Arts	738	Letters, General
52	Business Management and Administrative Services	739	Letters, Other
		<b>FOREIGN LANGUAGES</b>	
		740	French
		743	German
		746	Italian
		749	Spanish
		752	Russian
		755	Slavic (Other than Russian)
		758	Chinese
		762	Japanese
		765	Hebrew
		768	Arabic
		769	Other Languages and Literature
		<b>OTHER HUMANITIES</b>	
		785	Philosophy (See also 440)
		798	Humanities, General
		799	Humanities, Other
		<b>RELIGION AND THEOLOGY</b>	
		790	Religion (See also 984)
		791	Religion and Theology
		984	Theology/Religious Education (See also 790)
		825	School Psychology (See also 636)
		830	Social/Philosophical Foundations of Education
		835	Special Education
		840	Counseling Education/ Counseling and Guidance Services
		845	Education Evaluation and Research
		850	Pre-elementary/Early Childhood Teacher Education
		852	Elementary Teacher Education

**Current Classification Schemes for the Integrated Postsecondary Education Data System  
(IPEDS) Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS/ <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
	854 Junior High Teacher Education
	856 Secondary Teacher Education
	858 Adult and Continuing Teacher Education
	861 Art Education
	862 Business Education
	864 English Education
	866 Foreign Languages Education
	867 Physical Education, Health, and Recreation
	870 Home Economics Education
	876 Music Education
	880 Physical Education and Coaching
	882 Reading Education
	886 Speech Education
	888 Trade and Industrial Education
	889 Teacher Education, Specific Academic and Vocational Programs, Other
	898 Education, General
	899 Education, Other
	<b>BUSINESS AND MANAGEMENT</b>
	002 Agricultural Business and Management
	900 Accounting
	905 Banking/Financial Support Services
	910 Business Administration and Management
	915 Business/Managerial Economics
	917 Management Information Systems/Business Data Processing
	920 Marketing Management and Research
	925 Business Statistics
	930 Operations Research (See also 363, 465)
	935 Organizational Behavior (See also 621)
	938 Business Management/ Administrative Services, General
	939 Business Management/ Administrative Services, Other
	<b>INFORMATION FIELDS (JOURNALISM, BROADCASTING, LIBRARIANSHIP)</b>
	940 Communications Research
	945 Journalism
	947 Mass Communications
	950 Radio and Television
	957 Communication Theory
	958 Communications, General
	959 Communications, Other
	972 Library Science
	<b>LAW</b>
	968 Law
	<b>SOCIAL SERVICE PROFESSIONS</b>
	980 Social Service Professions

**Current Classification Schemes for the Integrated Postsecondary Education Data System  
(IPEDS) Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS/ <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
	<b>VOCATIONAL STUDIES AND HOME ECONOMICS</b>
	964 Home Economics
	<b>OTHER NON-SCIENCE FIELDS</b>
	974 Parks/Recreation/Leisure/Fitness
	988 Professional Fields, General
	989 Professional Fields, Other
	999 Other Fields



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